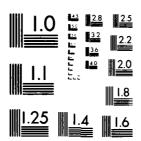
1/8 AD-A187 857 UNCLASSIFIED



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF CLANEARDS DWG A.

.

AD-A187 857

USAFETAE/DS-80/024

TO STOUDICAL LIBRARY

SER OTIC FILE CO

# OPERATING LOCATION - A USAFETAC

Air Weather Service (MAC)

DTIC ELECTE JAN 2 1 988



REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

THULE AB GL

W 06B 45

MSC# 042020

ELEV 251 FT BGTL

PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

PERIOD OF RECORD:

N 76 32

HOURLY OBSERVATIONS: JAN 77 - DEC 86

SUMMARY OF DAY DATA: NOV 51 - DEC 86

"Approved for public release; Distribution Unlimited" FEDERAL BUILDING

ASHEVILLE, N.C. 28801 - 2723



Accessor for NTIS CHARL 0710 648 Ur. 200 64**d**  $\Box$ Justinicata n By Dot B. Am ! Availability Ocdes
List Avail at 2 for the second 19

RRRR RR RR	RRRR RRRRR RR RR	บบ บบ บบ บบ บบ	UU UU UU UU	\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$\$ \$\$\$ \$\$ \$\$	\$25555 \$2555555 \$255 \$25 \$5 \$5 \$5	44 44 44 44 44 44 44 44
RR RR RR RR RR RR RR		0 00 0 0 0 0 0 0 0 0 0 0 0 0	ยบ์ ยบ ยบ บบ	\$\$ \$\$ \$\$ \$\$\$ \$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$	55 55 55 555555 555555 555555	644

STATION NAME: THULE AB GREENLAND

STATION NUMBER: 042020

PERIOD OF RECORD:

HOURLY OBSERVATIONS: JAN 77 - DEC 86

SUMMARY OF DAY DATA: NOV 51 - DEC 86

TIME CONVERSION LST TO GMT: -4

CALL ID:BGTL

HOURS SUMMARIZED: NOCO-2300 LST

HATE PRODUCED:12 MAY 1987

GL-A/USAFETAC/MAC/AWS ASHEVILLE NC 28801 REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE ORSERVATIONS WHICH INCLUDES HOURLY ORSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/1DA.

DESCRIPTION OF SUMMARIES: PRECEEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNEP OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/IN-93-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

#### TABLE OF CONTENTS:

STATION HISTORY

PART A: WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

PART B: PRECIPITATION, SNOWFALL, AND SNOW DEPTH SUMMARTES

PART C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHEP SERVICE HASTER STATION CATALOG NUMBER. THIS NUMBER IS COPPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (O THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAY OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MOPE THAN 15,000 REPORTING STATIONS WORLD WIGE.

STATION N	ON SUMMARY	STATION NAME		LATITE	IDE	LONGITUDE	FIELD ELEV	(FT) CALL	SIGN	WMO NUMPER
04	2020	THULE AB GREENLAND		N 7	6 32	W 068 45	251	BG'	rL	04202
1		STATION LOCATION	A NC	ND IN	ISTRU	JMENT	TATION	HIST	ORY	
NUMBER OF LOCATION		GEOGRAPHICAL LOCATION & MAME	TYPE OF STATION	OF		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL FIELD (FT) HT. BARO.		OBS PER Day
1 2 3 4 5 6	Thule AB Same Same Same Same	Greenland	Same Same	Apr 55 Apr 58 Jan 77	Mar 55 Mar 58 Dec 76 Dec 79 Mar 81 Dec 86	N 76 33 Same N 76 32 Same Same	W 068 48 Same W 068 45 Same Same	261 251 Same Same Same	193 ft Same Same Same Same	24 24 24 24 24 24
NUMBER	DATE	SURFACE WIND	EQUIPMENT	INFORMATION						
OF LOCATION	OF CHANGE	LOCATION		TYPE OF TRANSMITTE	TYPE OF RECORDER	HT ABOVE CROUND	REMARKS, AC	VULLIONAL EQUI	rmtmi, OK KEA	ISON FOR CHANGE
2	Jan 52 Apr 54	Located on roof of weather  1. Located in the forecas tion 2. Located in the observi-	ting se	ec-Same	Ester1 Angus Same ML-103	15 ft				
3	Apr 55 Nov 55	1. Located on roof of wea 2. Located in the observi- tion 1. Located 2000 ft S-SW o station, adjacent to main	ng sec-	- AN/GMQ-	-1 Same	19 ft 15 ft 19 ft				

USAFETAC FORM 0-19 (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

MBER	DATE	SURFACE WIND EQUIPMENT INFO				
	OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOYE GROUND	REMARKS, ADDITIONAL EQUIPMENT. OR REASON FOR CHANGE
5	Apr 58	1. Located 1750 ft from W end of	Same	Same	Same	
	•	rnwy 083°-263° and 500 ft N of rnwy	AN/GMQ-1	Same	25 ft	
5	Apr 60	1. Located 1750 ft from W end of	AN/GMO-1		13 ft	
		rnwy 160°-340° and 500 ft N or rnwy				
		2. Located on roof of base wes stn		Same	25 ft	
7	Nov 60	1. Located 1150 ft from W end of	AN/GMQ-1	l Same	13 ft	
		rnwy $160^{\circ}$ - $340^{\circ}$ and 500 ft N of rnwy	·			·
		2. Located on roof of base wea stn	AN/GMQ-1	Same	25 ft	
8	Dec 61	1. Same location as above.	AN/GMQ-1	l Same	13 ft	
		2. Located on the approach end of	Same	Same	Same	
		rnwy 34 & 500 ft N of centerline.			1	
9	Apr 62	linwy Located 1150 ft from W end of	Same	Same	Same	
		2. Same	Same	Same	Same	
10	Apr 67	1. Located 1150 ft down rnwy 16	Same	Same	Same	
10	APL 07	form its approach end, and 500 ft E		name	Jame	
		of rnwy centerline.				
		2. Located 900 ft down rnwy 34 from	n Same	Same	Same	
		its approach end and 500 ft W of				
		centerline.			1 1	
11	Apr 68	1. Located 1000 ft down rnwy 16	Same	Same	Same	
		from its approach end, and 500 ft		_	}	
		E of rnwy centerline.				
		2. Located 850 ft down rnwy 34		0		
		from its approach end, and 500 ft	Same	Same	Same	
		W of centerline.			1	
12	Feb 69	1. Same	AN/GMQ-2	) Same	Same	
		2. Same			1 1	
13	Jan 70	1. Located 100 ft down rnwy 16	Same	RO-362	Same	
		from its approach end and 500 ft			1 1	
		E of rnwy centerline.			1 1	
		2. Located 850 ft down rnwy 34 fro		Same	Same	
		its approach end & 500 ft E of rnwy				
		centerline.		_	l i	
14	Jan 71	1. Located 1000 ft down rnwy 16	Same	Same	Same	
		from its approach and 560 ft E of				•
		rnwy centerline.	_	_	l _	
		2. Located 650 ft down rnwy 34	Same	Same	Same	
		from its approach end & 500 ft W of				
ا ۔ ا		rnwy centerline.		C		-
15	Dec 79	1. Same	Same	Same	Same	•
		2. Same	Same		Same	

#### WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

#### WEATHER CONDITIONS SUMMARY

- 1. A PERCENTAGE FREQUENCY OCCURRENCE SUPMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND CRESTRUCTIONS TO VISION.
- 2. DATA BASED ON HOURLY ORSERVATIONS.
- 3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

#### ATMOSPHERIC PHENOMENA SUMMARY

- 1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS to VISION.
- 2. DATA BASED ON SUMMARY OF DAY DATA.
- 3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

#### DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

PAIR AND/OF DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FPEEZING DRIZZLE (GLAZE): ALL REPOPTEU FREEZING PAIN OP FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICF PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL ORSERVATIONS REPORTING PRECIPITATION. PECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OPSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR MAZE: ALL REPORTED SHORE, HAZE AND ANY COMPINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMPINATION THEREOF.
THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA
VISIBILITY LESS THAN 578 MILES (1)400 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION IFOR THRU (BUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSTRVATION MAY OCCUP, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

- 1. A VALUE IN THE TABLES OF ".U" INDICATES LESS THAN .OF& OCCURPINCE WHICH IS USUALLY ONLY ONE OCCURRENCE
- 2. METAR STATIONS (HEGINING IN JAN 1968) AND SYNOPTIC PEPORTING STATIONS RECORDED ON THE ANS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENGMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENUMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHLST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE ANS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THERFORE UNLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TARLES.

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD	0 F	RECORD:	77-86
MONTH	: .14	A A:	

HOURS   (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN Evor Drizzie	SNOW 6/OR SLEET	HAIL	% UPS WITH PRECIP	F05	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	* 085 W/095T TO VISION	TOTAL
up-02	• • • • • • • • • • •		• • • • • • • • • •	19.6	• • • • • • •	19.6	. 4	• • • • • •	3.5	• • • • • •	4.0	930
03-05	4			19.0		19.0	• 5		2.9		3.4	930
06-08		• 2	• 1	20.3		20.5	. 5		4.5		5.3	9.50
09-11		. 3		17.4		17.7	. 8		4.4		5.2	930
12-14		. 4		16.5		16.9	. 9	.1	4.5		5.5	930
15-17				18.8		18.8	• 5		3.8		4.3	930
18-20				17.0		17.0	. 8	. 1	4.3	• 1	5.2	930
21-23				16.9		16.9	. 4		4.8		5.3	930
TOTALS		• 1	. 0	18.2		18.3	.5	• 0	4 • 1	.0	4 . 8	7440

STATION NUMBER: 042020 STATION NAME: THULE AB GL

#### PERIOD OF RECORD: 17-86 MONTH: FER

SNOW & DES 6/OR HAIL WITH SLEET PRECIP SMOKE DUST % ORS FRZING RAIN TSTMS &/OR URI/ZLE W/CRST HOURS I RAIN E/OP E/OR ELOWING FOG E/OR TOTAL (LST) HAZE SNOW SAND OBS DRIZZLE VISION 00-02 | 2.7 03-05 | 16.1 1.4 2.8 4.3 846 16.1 06-08 | 19.7 19.7 . 8 2.4 3.2 846 09-11 | 19.6 19.6 2.2 2.4 4.6 846 12-14 15.6 15.6 2.5 4.0 6.7 846 15-17 l 17.0 17.0 4.4 6.3 846 18-20 | 19.3 19.3 3.4 4.1 846 21-23 | 19.9 3.2 846 TOTALS ! 18.2 3.2 676B 18.2 1.3 . 1

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONVITIONS FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF RECORD: 77-86

						MONTH:	MAR		
HOURS (LST)	I RAIN I TSTMS E/OR I DRIZZLE	FRZING SNOW RAIN E/OR E/OR SLEET DRIZZLE	HAIL	# 08S WITH PRECIP	FOG	S"OKE E/OR HAZE	BLOWING SNOW	DUST \$ 095 6/0R W/CBST SAND TO VISION	PCTAL ObS
<b>60−02</b>	I	20.3	• • • • • • • •	20.3	. 2		7.3	7.5	970
C 3-05	į.	19.4		19.4	. 2		7.1	7.3	930
06-08	1	19.5		19.5	• 1		5.8	5.9	Ģ. * . ,
(19-11	1	18.0		18.0	. 4	• 1	5.7	6.2	932
12-14	1 •1	15.2	• 1	15.2	. 9		4.9	c <sub>y a</sub> at	9.10
15-17	I	14.9		14.9	. 4		7 . 8	B + 3	¢ * ,
18-20	I	13.5		13.5	• 3		B.J	R . 3	93u
21-23	I	17.7		17.7	• 1	• 1	7.4	7.0	ψ <b>τ</b> ,
TOTALS	0.0	17.3	•0	17.3	• 3	.0	6.9	7.1	7441

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF PECCRO: 77-86

								MONTH	: APR				
HOURS (LST)	TSTMS	RAIN 6/OR Urizzle	FRZING RAIN &/OR Drizzle	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE F/OR HAZE	HLOWING SNOW	DUST E/OR SAND	% 085 W/CPST TO VISION	1018L 065	••••
00-02	i		••••	18.4	• • • • • •	18.4	. 9	•••••	3.7	•••••	4.1	90 L	
03-05	1			16.6		16.6	. 9		3.9		4.8	outi	
06-08	l			16.8		16.8	1 - 1	• 1	4.1		5.3	91.6	
09-11	I			19.6		19.6	. 4		3.3		3.8	900	
12-14	1			18.9		18.9	. 3		2.8		3 - 1	986	
15-17	ı			17.6		17.6	. 3		3.7		4.0	986	
18-20	l		• 1	16.6		16.7	• 1		3.4	• 1	3.1	900	
71-23	ı			15.4		15.4	•2	• 1	3.2		3.0	926	
TOTALS	I		• 0	17.5		17.5	. 5	• 0	3 . <sup>E</sup> .	•0	4.1	7200	

# PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AR GL PERIOD OF PECORD: 77-86

					HONTH:	MAY			
   HOUPS     (LST)   	RAIN TSTMS &/OR URI?ZLE	FR7ING SNOW PAIN L/OR C/OR SLEET UR1:266	% OBS HAIL WITH PRECIP	FOG	SMOKE I/OR HA/E	FLOWING SNOW	DUST E/OR SAND	\$ 085 W/CBST TO VI:10N	TOTAL OBS
rc-02	.8	12.4	13.1	2.5		.9	•••••	3.3	930
03-05	. 9	11.0	11.7	2.5		. 9		3.3	970
06-08	• 5	12.9	13.4	1.9		, 5		2.1	930
U9-11	•2	13.9	14.1	1.7		. 4		2.2	9 10
12-14	•1	11.0	11.1	1.6		. 6		2.4	936
15-17	•2	12.6	12.8	1 + 7	. 2	• 1		2.0	មុ ៖ប
16-20	•2	13.6	14.0	1.5		• 2	• 1	1.6	936
21-23 1	. 3	12.6	12.9	2.3		.6		2.9	920
TOTALS }	.4	12.5	12.9	2.0	•0	.6	.0	2.6	7440

STATION WOMER: DAZOZO STATION NAME: THULE AB GL

PEPIOU OF RECORD: 77-86 MONTH: JUN

   HOURS     ELST,   	RAIN TSTMS EZOR ORIZZEE	FRZING HAIN EZOR URIZZEE	SNO. E/OR SLEET	HAIL	% ORS WITH PRECIP	FOG	HAZE	BLOWING SNOW	DUST E/OR SAND	\$ ORS W/CBST TO VISION	TOTAL CGS
+ ~- n₄ - 1	2.4		9.9		11.8	10.3		. 3	• • • • • • •	10.7	900
1.3-39. 1	5.1		10 - 1		12.8	11.6		. 1		11.7	900
66-08 T	₹•4	. 1	11.7		13.4	11.4		. 3		11.3	9178
39-11 1	2.3		13.0		11.6	7.1	• 2	. 2	• 1	7.7	906
12-14 (	3.2		7.6		10.2	5 • 2	. 3			5 • 6	9110
15-17 1	3.6		8.2	-1	10.9	5.6	. 3			5.4	900
18-26	3.0		8 + 2		10.2	7.6	. 3			7.9	900
c1-23 1	1.7		9.0		19.0	9.9				9.9	905
TOTALS	2.1	.0	9.3	• ()	11.4	9.6	. 1	, 1	.0	A . 9	1206

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONVITIONS FROM HOURLY 03SERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AG OL

PERIOD OF RECORD: 77-86
MONTH: JUL

					MUNIH: JU	L		
HOURS (LST)	RAIN TSTMS GYOR URIZZLE	FRZING SNOW RAIN 6/OR 6/OR SLEET DRIZZLE	% OBS HAIL WITH PRECIP	FOG	SMOKE 6/OR 6LO: HAZE SI	ZUO DV3 DNI# MAZ WON	R WICEST	1014L 0ES
00-02	10.7	2 • 2	12.1	9.0	•1	• • • • • • • • • • • • • • • • • • • •	2 9.3	924
03-05	13.1	3 • 4	14.5	9.2	- 1		9.3	974
116-08	10.5	2 • 5	11.6	8.7		.1 .	1 0.0	426
(J9-11	l 8 • s	1 • 5	9.5	7.0	. 1		3 7.4	936
12-14	9.5	1.2	10.1	5.1	• 3		.2 5.6	474
15-17	9.3	1.5	9.8	4.3	. 4		4.7	927
18-20	10.3	1.4	11.2	5.4	• 4		5.8	92E
21-23	17.0	2.4	13.3	7.7	• 5		8.2	924
TOTALS		2.0	11.5	7 - 1	•2		1.4	7410

STATION NUMBER: 642020 STATION NAME: THULE AR GL

PERIOD OF RECORD: 77-86 MONTH: AUT

HOUPS (UST)	•	RAIN 6/OR URIZZLE	FRZING RAIN EVOR DRIZZLF	SNOW E/OR SLEET	HAIL	\$ UBS WITH PRECIP	FOG	SMOKE EZOR HAZE	PLOWING SNOW	DUST &/OR SAND	% 035 W/(851 TO VISION	101AL CPS	
Un-02	ı	12.8		5.7		16.8	10.1	. 3			10.4	μτι	
03-05	1	12.5	. 1	5.5		17.0	10.8	. 1			10.9	930	
06-06	ı	11.5		6.2		16.1	10.8	. 5			11.3	930	
59-11		9.0		5 + 2		13.4	7.6	.6	• 2	•2	8.7	930	
12-14	1	9.5		4.3		13.2	4 . 2	•?	.2	. 1	4.7	930	
15-17	I	6 • 2		4	•1	11.2	5.1	. 4		• 2	5.7	930	
14-50	1	10.6		4.5	. 3	14.4	6.0				1.2	930	
21-23	I	12.9		5.3	. 1	10.8	9.1	. 4	. 1		4.1	930	
TOTALS	•			5 - 1	.1	14.9	P.U	. 4	•1	.1	8.6	7440	

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

DERIOD	ŨΕ	RECORD:	77-86
HONTH		r D	

							HONTH:	: SEP			
HOURS	RAIN ISIMS G/OR BRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% ORS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING Snow	DUST E/OR SAND	* ORS W/CBST TO VISION	TOTAL OBS
00-02	1.0	• • • • • • • • • •	12-8	• • • • • • •	13.8	2.2		.8	•••••	3.0	900
03-05	1.3		13.9		15.2	2.0		.7		2 • 7	900
06-08 †	2.2		14.3		16.4	.9		.9	• 3	2 - 1	9 C U
09-11	1.9	• 1	13.1		15.0	. 4		.7	.6	1.7	900
12-14	1.9		13,8		15.2	• 6	. 1	• 3	. 4	1 • 4	900
15-17	2 . 4		13.7		15.6	. 4	- 1	• 9		1 - 4	900
18-20 1	1.8		12.8		14.2	1.2		1 • 3		2 • 6	900
21-23	.9		12.2		13.0	2.2		1.6		3 • 8	9 C O
TOTALS 1	1.7	. 0	13,3		14.8	1.2	.0	.9		2 . 3	7200

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD	OF	RECORD:	77-86
		• •	

						MONTH: OCT		
   HOURS     (LST)   	RAIN TSTMS 6/OR URIZZLE	RAIN &	NOW /OR HAIL EFT	& ORS WITH PRECIP	FOG	SMOKE E/OR BLOWING HAZE SNOW	DUST \$ 035 1283\W RO\3 TO TO NOISIV	TOTAL
co-02 l	•2	1	9.7	19.7	. 3	2.9	3.2	930
03-05	•2	2	0.3	20.3	. 8	2 • 8	3 • 5	930
J6-08	• 2	2	1.1	21.2	• 5	3.0	3.5	930
C9-11 1	•2	2	0.0	20.1	• 5	2 • 6	3 - 1	930
12-14		2	1.6	21.6	• 1	2 • 0	2 • 2	<b>43</b> 0
15-17		2	0.2	26.2	• 3	1.9	2 . 3	930
18-20	. 5	1	8.0	10.3	• 5	2 • 9	3 . 3	930
21-23	•1	•1 2	1.4	21.5	• 2	3 • 1	3,3	930
TOTALS 1	.2	• U Z	J • 3	20.4	. 4	2.0	3 • 1	7440

### PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

STATION NUMBER: D42020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86 MONTH: NOV

						HUNTH: NOV		
HOURS   	RAIN TSTHS 6/0R URIZZLE	FRZING RAIN E/OR DRIZZLE	SYOW E/OR SLEET	& OBS HAIL WITH PRECIP	FOG	SMORE E/OR BLOWING HAZE SNOW	DUST % ORS EVOR W/OBST SAND TO VISION	TOTAL OBS
CO-02	•2		20.4	20.7	• • • • • • •	-1 4-3	4.4	90 <b>0</b>
03-05	• 1		20.3	20.4	• 1	4 . 3	4.4	91.5
06-08			8.05	20.8		4.8	4.8	900
09-11			20.3	20.3		4 . 8	4.8	900
12-14			18.1	18.1		3.0	3.0	900
15-17	1.	1.	21.3	21.4	• ĉ	3.2	3 • 4	900
18-20	•1		21.7	21.7	+6	3.6	4.1	900
21-23			23.9	23.9	• 1	4 - 1	4.2	900
TOTALS	•1	• 0	20.9	20.9	•1	•0 4•0	4 - 1	7200

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC

							*********	. ,				
HOURS     (LST)   	RAIN TSTMS C/UR ERI/ZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FoG	SMOKE E/OR HAZE	BLOWING Snow	DUST E/OR SAND	A1510W 10 1082 1082	FOTAL OBS	••••
ra-us 1	.5	• • • • • • • • • • • • • • • • • • • •	21.5		21.5	.8	.2	4.7	.1	5.8	930	• • • • •
61-05 1	.5		19.6		19.6	• 1	• 2	5 • 2		5.5	936	
Uf-08 1	.3		20.2		20.2			4.3		4.3	930	
09-11 1	•3		23.8		23.8	• ₹		3,4		3.7	9 * []	
12-14	. 5		24.5		24.7			2.5		2.5	938	
15-17	. 3		23.9		24.2	• 2		2.8		3 • ∪	930	
18-70	. 3	. 1	23.0		25.1	• 3		2.8		3 - 1	929	
21-23 1	. 3		24.4		24.4	. 6		C) • 4 <sup>2</sup>		5 • 6	927	
TOTALS 1	.4	• <b>u</b>	22.6		22.7	. 3	• 1	3.8	-0	4.2	7436	

GLOBAL CLIMATOLOGY BRANCH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AS GL

PERIOD OF RECORD: 77-86 MONTH: ALL

% OBS 1 0BS RAIN HOURS I E/OR FOG E/OR BLOWING W/085T TSTMS £ /0R RAIN £/OR TOTAL URIZZLE £ /0P SLEET PRECIP SAND ILSTI | HAZE SNOW OBS DRIZZLE V1510N 7440 ALL . 1 • 0 18.2 .0 •0 FEB 18.2 16.2 1.3 6768 MAR •0 17.3 17.3 .0 • 0 • 3 6.8 7.1 7446 APR 17.5 17.5 4 . 1 • 0 . 5 3.5 • 0 .0 7200 MAY . 4 12.5 12.9 2.0 .0 . 6 •0 2.6 7440 2.7 9.3 JUN • 0 11.4 8.6 . 1 • 1 .0 8.9 7200 JUL 10.5 2.0 11.5 7.1 . 2 7410 AUG •0 10.9 • 0 5.3 8.5 . 4 . 1 744D SEP 1.7 • 0 7200 001 • 2 . 0 20.3 2.6 3 - 1 7440 NOV • 0 20.9 20.9 • 1 • 0 4.0 4.1 7200 DEC - 0 22.6 22.7 . 3 • 1 •0 4.2 7436 3.8 • 0 TOTALS 1 16.7 2.5 2.5 .0 87614 • 0 5.1

### PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PEPIOD OF RECORD: 51-86 MONTH: ALL

							AUNIA.	. 466			
MONTH	RAIN   TSTMS &/OR   GRIZZLE	FRZING RAIN &/OR GRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	SNOM SNOM	DUST E/OR SAND	% ORS W/OBST FO VISION	TOTAL OBS
NAL	.3	• • • • • • • • •	49.3	•••••	49.4	10.0	.2	24.1	••••••	32.1	1095
FEB	t		51.2		51.2	12.9	• 6	24.4		34.1	988
MAR	1 .1		48.2		48.2	12.0	•6	19.4		¿9.3	1084
APR	-1	• 1	43.0		43.0	10.7	• 3	13.4		22.3	1056
MAY	1 2.1	• 2	53.3		54.0	20.7	•6	6.5		26.7	1085
NUL	i 14.3	• 1	37.1		44.1	40.9	.5	1.7		42.5	1049
JUL	37.1		11.9	• 1	40.9	41.6	.7	. 3		42.3	1004
AUG	38.1	. 4	17.3	• 1	45.5	32.1	1.5	. 8		23.4	1685
SEP	10.1	. 8	46.7		51.3	11.2		5.8	. 1	16.6	1049
ост	1-1	. 3	60.4		60.4	6.2	. 1	16.1		£1.3	1084
NOV	.4	• 1	57.8		57.9	5.3	. 1	19.2		23.4	1478
Df. C	.3	• 1	55.6		55.6	7.4	. 4	19.7		26.5	1115
TOTALS	8.7	• 2	44.3	•0	50.1	17.6	• 5	12.0	•0	29.2	12836

PPPPP	PPP	AAA	AAA	RRRRR	RRRR	1 11111111	P88894	#8B
PPPPP	PPPP	AAAA	AAAA	RRRR	RRRRR	17171717	BABBPE	BBBB
PP	PP	AA	A A	RR	RR	T T	FЬ	₿B
PP	PP	AA	AA	RR	RR	11	RB	ьв
PPPPP	PPPP	AA	A A	RRRRR	RRRRR	TT	BBBBBB	68888
PPPPP	PPP	AAAAA	AAAAA	RRRRR	RRRR	11	BBBBLE	8888
PP			AAAAA	RR	RR	ΤΤ	88	BB
PP		A A	AA	RR	RR	11	₽в	9.8
PР		AΑ	AA	RR	RR	7 7	P8886	16666
PP		AA	AA	RR	RR	11	886886	BBB

#### PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".O" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCUPRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH MY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "\*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS PEPORTED BUT NO OCCURRENCES, ZEROS APE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION:

".00" EQUALS NONE FOR THE MONTH CHUNDREDTHS!

EXTREME DAILY SNOWFALL:

".O" EQUALS NONE FOR THE MONTH CTENTHS!

EXTREME DAILY SNOW DEPTH:

"O" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "+" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

### PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION FROM SUMMARY OF DAY DATA

STATION NUMBER: 042020

STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

********	• • • • • •	• • • • • •	••••	• • • • •	• • • • •	••••			MOUNTS	IN IN	THE S	•••••	••••••		• • • • • •	•••••	•••••	• • • • • •
MONTH	     NON( 	I I I TRACE I	•01	101	TO	TO	1 10 1	to	10 1	10	5.01     10     10.00	10	0VER 20.00	% DAYS    with     meas     amts	0B 5		GREATES	
JAN	   48.6	   32.5	5.3	   8.3	3 • 5 <u> </u>	1.2	.31		.1		! ! ! !				1085	. 32	2.61	TRACE
FCB	48.6	33.0	4.8	9.2	1.9	1.4	8	• 2			Ì	Ì		1 18.3	987	. 34	1.98	TRACL
PAM	   51.4	  33.2	5.2	   6.9	1.9	1 • 2					! !			15.4	1084	•20	.71	TRACE
APR	! [ 56.1	28.0	5.5	7.0	1.8	1.0	.6							   15.8	1149	.72	.19	TRACE
PAY	   46.1	]  34.7	4.9	9.1	2 . 3	2.6	   3		.1		i 			19.3	1095	. 34	1.34	TRACE
JIJN	   56.2	  32.5	3.1	4.7	1.8	1.4	   •2		!		\ !			11.2	1049	.19	.62	TRACE
JUL	   59.1	20.4	3.2	7.8	4.1	3.8	1.5	• 1	.1		1				1085	.63	3.07	• 17.5
AUS	1   54.5	   22.2	4.4	9.9	4 - 0	3.6	1.0	. 5	!		! !			23.3	1055	•6.	1.86	TRACE
SEP	48.1	28.1	4.9	8.9	4.A	4.0	1.0	• 2	!		!			23.7	1049	.54	1.98	•02
ac T	40.5	30.0	   6.9	13.0	4.31	4.1	.9	• 2			1			79.5	1085	•60	1.41	•06
NOV	)   41.8	34.8	6.4	10.5	2.5	3.0	1.0	• 1						23.4	1079	. 44	1.45	• 10 2
DEC	   44.5 	  33.9   	6.2 	  10.9  	3.0	1.2	.4	• 1	 		[ [ ]		    -	   21.6 	1115	- 32	2.43	TRACE
ANN	1 49.6	30.3	5.1	1 8 8	3.01	2.4	i .71		1 .0	· · · · · · · · ·	1			i 20-1	1 12837	4.76	••••••	• • • • • • •

### EXTREME VALUES OF PRECIPITATION (FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AH GL

PERIOD OF RECORD: 51-86

					21	4 A RUCH P	10UNTS IN -N-I-H-S-	INCHES					ALL
YEAR I	MAL	FEE	MAR	APF	MAY	JUN	JUF 1-H-2-	AUG	SEP	0.01	NOV	CEC	MONTH
51 I	•••••	• • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	.11	.05	• • • • • • •
52	-10	.44	-13	.01	.01	• b 8	.45	-10	. 39	. () 4	.20	.05	. 4
53 1	.07	.11	.46	.03	.09	.02	• 2 fi	.39	.07	. 13	.28	. DP	. 3
54	•37	• D 4	-12	•DR	.07	. 30	-10	•02	.15	. 37	• U A	.06	. 3
55	.13	. 17	TRACE	.06	.29	.22	. 45	.98	.04	. 32	.28	• U 3	. 9
56 1	•G3	ۇ ل .	•04	.08	.35	• 62	.29	.80	. 14	. 25	.05	.02	. A
57	•01	. 3 3	.04	TRACE	.03	TRACE	1.95	.17	. 77	.58	.24	• () •	1.9
58	.26	.49	. U 4	· B ?	• 0 3	• C 5	• 0 3	.05	. 38	. 44	. 4 1	.10	. 4
59 1	•06	. 17 4	.08	•2B	. 34	.11	.40	.09	.17	.25	.06	• 70	. 4
60 I	-10	-18	.33	* 0 *	.08	. (18	.26	. C 4	. 3 3	-16	• 1 P	4 ن و	. 1
61 1	•97	TRACE	.37	.05	.13	.12	.27	.71	. 14	. (18	.07	.06	
62 1	.05	TRACE	.37	. 54	.21	TRACE	. 17	.27	+ 1 %	.10	• U B	• U t-	. '
63 1	.49	•2€	•U6	.04	.12	• U 3	• 4 C	.48	.20	. 11	.27	. 06.	. 4
64	1.72	.32	• 216	<ul><li>14</li></ul>	•20	*. D2	. 28	.32	• 3.7	. 24	.04	.16	1 . 7
65 1	.12	.93	.16	-11	.12	.23	•22	• 0 9	.18	. 36	.24	.DA	• ¢
66	.18	.06	•02	.08	1.10	.16	.08	.24	.12	.26	.02	•36	1.1
67	•10	. () 4	•2D	•05	• 30	.20	-28	•04	.05	.19	-17	. 41	. 4
68 1	.03	.24	.01	.08	.27	.02	.14	-03	.63	• 10	• 0 •	. 14	. +
69	.08	.12	-13	-17	• 0 6	.16	•20	•60	.22	. 13	.61	• 0 5	. 6
7U [	TRACE	. 30	.04	.33	.18	. 66	.19	•12	•12	. (. 6	. 36	.65	. 6
71	.09	. 9 4	-10	.16	.08	• 6 5	.22	.70	-14	• C 3	.16	. 04	. 7
72	- 14	* . () 4	•12	*O*	-11	TRACE	•12	• 30	.10	. 29	• 0 3	* TR & C !	. 7
73	.10	•0 4	.07	•2B	.27	• U 4	. 35	.56	.47	.10	. 31	.15	. 5
74	•36	- 14	* .D8	-14	.15	.04	.12	• D6	.05	.10	.06	. 64	. 1
75 I	.08	TRACE	- U 3	-17	• 0 5	• 21	. 47	-15	.71	.54	.02	• U 7	. 5
76 I	.04	.04	•01	•03	. 45	• C 1	-05	.05	. () A	.07	• 0 3	.15	. 4
77	• 20	•17	•20	•03	.22	.05	.05	.06	4.18	. 30	.16	•10	. 3
78	.39	• 0.4	.01	•06	•02	. 62	• c D	-12	•02	. 1 A	.03	•05	• 2
79	.08	•06	.20	•05	•02	TRACE	.39	.20	•05	.10	• 05	. 0 4	• 2
80	• G 9	.04	• U 4	•20	•21	-10	• 1 C	.10	.07	.10	.20	• 02	• 2

NOTE . BASED ON LESS THAN FULL MONTHS)

CONTINUED ON REXT PAGE....

### EXTREME VALUES OF PRECIPITATION (FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 51-96

	1					_	-M-0-	N-T-H-S	-					ALI.
YEAR	1	MAL	FEI	MAR	AP R	MAY	JUN	JUL	AUG	r E P	0.01	NOV	( E C	MONTHS
۴1	· i · ·	.37	.02	.01	TRACE	• 1 1	.10	.09	.12	.30	.22	•50	.20	.51
8.2	1	.13	•01	.16	.27	•02	. C 8	.40	.24	.14	.19	.16	.03	. 4(
Аß	1	•32	.78	• C 4	.12	.25	- 11	.30	TRACE	.19	.25	-12	.13	, *(
84	1	.05	.01	TRACE	TRACE	TRACE	• 20	•62	.07	.19	• 21	•2F	.17	.6.
85	1	.15	THACE	•02	-10	.06	. 40	.04	.50	.បុគ	. 35	-13	.03	• 5 i
ЯЬ	1	- 16	-55	.10	٩٥.	.11	• C 1	-17	•26	.45	•02	•03	. 0 3	. 55
MLAN	ï	.146	.149	.090	. 105	.154	.096	.257	.243	.786	.204	.174	.103	.551
5.0.	i i	.287	202	• 089	. 39.6	. 193	.096	. 324	. 242	.173	.137	144	.119	- 341
AL OBS	i	1085	987	1 084	1 04 9	1085	1047	1065	1085	1049	1085	1079	1115	12637

NOTE . (BASED ON LESS THAN FULL MONTHS)

#### MONTHLY PRECIPITATION (FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF RECOPD: 51-86

1						94 THLY PR - 0 - M	N-T-H-S-						ALL
YEAR !	JAN	FEL	MAR	APP	MAY	JUN	JUL	AUG	SEP	0.01	NOV	rfc	MONTH
51 I	• • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • • • •	•••••	• • • • • • • •			.24	.13	• • • • • • •
52 1	.23	.54	.17	.05	•01	-11	.52	. 31	. 6 %	. 0.7	.47	. 2 9	3.4
53	.31	•29	•13	<b>.</b> D4	• 1 0	.92	.42	.86	. 3.2	- 70	.99	. 1 7	4.
54	.36	.16	.47	.15	.29	.42	. 30	•02	• 4.7	. 74	. 24	.17	₹.
5 <b>5 l</b>	.13	.24	TRACE	.16	• 8 2	. 31	-15	1.63	- 05	1.16	.64	. 19	5.6
56 l	.08	• 17.8	.07	-12	• 1 3	•02	.73	1.42	.18	. 6 E	.17	•∪e	3.
57	.01	•12	•U8	TRACE	.05	TRACE	3.67	.29	1.90	1.41	.6.	.26	7.1
58	.78	1.38	-10	٩0.	.11	. 07	• u 5	.06	•62	1.27	. 75	.59	f 8
59	-15	. 1 (	-15	.29	.06	.13	.70	.16	•57	.6A	.21	.26	7.1
60 [	.23	.24	.57	•09	.26	• 15	.67	.11	•67	. 37	.92	.14	4.1
61 İ	.16	TRACE	.10	.19	.39	•60	•61	.64	.57	.22	.16	•22	₹
62 1	.17	TRACE	.41	-56	.52	TRACE	.20	1.04	. 5 4	. 48	. 3 3	.21	4.0
63	1.07	.75	.11	.15	• 32	•10	1.19	1.37	.65	. 40	. 40	.26	6.1
64 1	2.61	.98	.24	+.29	.45	*.U8	1.25	.59	•67	. 75	.22	. 48	<b>♦₽.</b> (
65 1	. 4 4	1.98	.56	•29	.58	.61	.99	.19	.69	. 49	. u h	.18	7.0
66 1	.50	. 24	•10	.17	1.34	. 31	• 08	1.86	.3n	. 65	.02	.17	5.0
67	.14	.12	.24	.10	.79	.21	1.15	.13	.19	. 12	.97	1.32	6.0
68	.07	. 4 3	.03	.2 A	. 39	. 05	.32	• 0 3	.91	. 39	.38	.56	3.5
69	.27	. 4 2	.41	.21	.39	.56	.87	. 74	• 4 2	. 37	1.45	.17	F .
70	TRACE	• 4 C	•16	.79	. 3 3	• 69	. 72	.21	• 22	. 34	.71	2.43	6.
71	-19	-1 t	.14	.23	-14	• 05	.23	1.26	.42	-11	.25	.69	3.2
72	. 39	* . O 7	.29	ەن.	.35	TRACE	. 33	.99	.27	.68	.00	* TR&CE	• 3 • 5
73 1	.22	• 0 3	.21	.39	. 4 1	. 06	•95	. 9 4	1.74	. 24	.38	. 32	5.
74 I	•12	. 3 H	• .12	.36	.95	.08	. 34	-20	-11	.47	<b>*.</b> 09	.22	<b>*</b> 3.3
75	-10	TRACE	.06	.21	-10	.42	.32	.58	.73	1.32	.04	.19	4.(
76 I	.15	.67	•02	.On	.81	.01	.32	•13	.37	.19	.20	. 34	2.1
77	. 44	.26	•617	.09	. 44	. 11	.09	.10	• • 6 1	. 76	.60	.32	. 4 . 1
78 I	. 34	.17	.02	.2P	•02	.03	- 5 3	.58	• 0.2	. 64	.04	.17	2.6
79 l	•20	.18	.71	.19	•32	TRACE	. 39	•50	.14	.27	.21	-11	2.9

NOTE + IBASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

### MONTHLY PRECIPITATION (FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

	!			! -M-0-N-T-H-S-											
YEAP	1	JAN	FEE	MAR	AP t	MAY	JUN	JUL	AUG	< £ P	0.01	110 V	£ E C	MONTHS	
61	1	.14	.03	.01	TRACE	.13	.25	.14	.6£	1.11	.74	.84	.31	4.36	
92	1	. 34	.02	•22	-52	• 0.3	-13	1.04	.71	.42	. 54	.29	.13	4.39	
9.5	1	.34	.25	.16	.44	. 47	. 29	.97	TRACE	• 4 0	.60	.18	. 38	4.42	
84	t	•36	.01	TRACE	TRACE	TRACE	. 39	1.20	• 31	. 35	. 37	.80	.11	3.60	
85	1	• 15	TRACE	•03	•28	.14	.62	.16	1.51	.23	1.20	. 4 4	. 23	4.79	
86	;	-13	1 . 3 9	.25	•D P	-17	• 42	• 4 1	1.20	1.17	•0F	• G é	.13	5.06	
MEAN	,	.319	.339	. 202	. 217	. 341	.186	626	.621	.541	.601	.441	.316	4.700	
s.n.	1	.452	.457	. 192	. 17P	.309	.196	.557	.521	. 439	. 169	. 333	. 437	1.413	
L OBS	1	1085	987	1084	1 04 9	1085	1049	1085	1085	1049	1085	1079	1115	17837	

NOTE \* EBASED ON LESS THAN FULL MONTHS!

•

| 55.0 |28.4 | 1U.8 | 4.31 .P|

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL FROM SUMMARY OF DAY DATA

STATION NUMBER: 042020 STATION NAME: THULE AR GL PERIOD OF RECORD: 51-86 & DAYS | TOTAL ! POSTHLY AMOUNTS #17H | #17H | #EAS | #MTS | MONTH MEAN GREATEST LEAST JAN 132.1 5.3 . 51 . 2 . 1 10851 TRACE FEB 133.0 18.9 15.9 MAR 50.7 133.8 1044 111.3 3.41 . 61 .11 . 1 + 15.5 i . 1 7.1 TRACE APR 3.81 56.0 128.1 11.2 . 31 .61 . 1 | 15.9 1049 THACE 46.2 "AAY 5.31 .2 1 134.6 12.4 . 91 . 1 19.3 1085 TRACE 130.0 7.2 JUN 62.7 5.2 1.6 . 41 1049 ٠,0 THACE JUL 87.6 9.1 1.8 1.21 . 21 3.2 10851 AUS 82.4 113.5 2.3 1.6 . 31 4.1 1065 . 7 SEP 128.5 110.6 7.01 1.01 0.01 129.9 118.2 7.61 2.7 .91 • 5 İ . 1 10.2 1085 14.7 NOV 134.2 115.5 6 . 21 1 . 41 .81 24.4 10791 26.2 . 3 DEC 44.5 134.2 114.9 5.21 .11 - 1 21.3 11151 24.4 THACE

.0 [

16.6 | 178371 34.3

.31 .11 .1 1 .0 1

•

ANN

•

### EXTREME VALUES OF SNOWFALL (FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIDD OF FECORD: 51-86

1						- M - O	-N-T-H-S	-					ALL
YEAR !	JAN	FEL	MAP	APP	MAY	JUN	JUL	AUG	SEP	C.C.1	NOV	: LC	MONTHS
51	••••••	• • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • • •	• • • • • • •	• • • • • • •	1.5	.5	
52	1.1	3.3	1.0	1.0	. 3	TRACE	TRACE	. 3	1.2	. 4	2.5	₹•C	5 . 3
53	1.2	1.1	. 6	• 3	. R	. 2	TRACE	THACE	. 7	1.3	2.9	• R	
54	. 7	. 4	1.2	. 8	. 7	. 3	TRACE	• (·	1.5	7.0	. 8	. 6	3 - 4
55	1.3	1.7	TRACE	. 6	2.9	TRACE	TRACE	TRACE	. 3	3.2	3.0		3.2
56	• 3	• 3	. 4	• fs	• 5	TRACE	TRALE	. 3	1.7	4.0	• 6,	. 2	4.6
57 [	• 1	• 3	. 6	1 R AC E	. 5	TRACE	• 17	٠.٤	1.0	1.8	2.9	. 0	5.0
58	2.6	5.0	. 4	• 3	. 3	٠٠,	• G	TRACE	7.1	1 7	4.4	1.7	1.1
59 1	.6	. 4	• B	2.8	. 4	1.1	• D	• D	1.7	2.5	• 6	. 9	
60	1.0	1.6	3.0	• 3	. B	• 2	• 0	TRACE	1.7	1.6	1 . *	. 4	5.6
61 1	. 7	TRACL	. 7	. 5	3.0	.5	• 1	- 1	1.4	. R	. 7	. 6	3.0
62	• 5	TRACL	3.7	3.4	2 • 1	TRACE	TRACE	1.0	1.5	1 • C	٠ ٤	. 5	1.
63	4.9	2.5	. 6	. 4	1.2	. 3	TRACE	TRACE	2.0	1 - 1	2.7	. 6	4.1
64	15.0	3 . 7	. 4	+1.4	. 7	*•1	• 9	2.3	4.6	2.6	. 7	. 9	t 5
65 ]	1.2	6.1	1.9	1.6	. 9	2.3	1.6	1	2.0	7.5	2.4	• <sup>p</sup>	(.
66	1.4	• 6	• 2	1.2	1.2	. 9	. 8	• 0	1.2	(	• .*	• 5	
67	• 5	• 5	. 5	• 5	3.0	2.0	1.0	• 2	• •	2 • D	2.0	4.1	٧.
68	• 2	2 • 8	• 1	. P	2 • 1	• 2	• 1	TRACL	6.3	1 - 1	. 4	1.4	t. •
69	. 8	1 . 7	1.3	1.2	. 6	1.6	• 2	TRACE	3.5	1.5	14.5	٠,٩	14.
70	TRACE	3 • ն	. 4	3.5	9.3	. 6	TRACE	. 7	7.4	1.5	3.6	t • 5	7.
71	. 9	. 4	1.5	2.6	1 - 5	TRACE	1.5	1.3	1.4	1 • P	1.5	• *	
12	2.8	•1•3	1.3	1.0	1.9	TRACE	TRACE	1 . C	1.4	3 • €	. 1	* I R & C E	5.0
73	3 • 1	. 4	. 7	2. ₩	2 + 2	TRACE	1.4	TRACE	4.7	1.0	3 - 1	1.5	٠.
74 1	• 6	1.4	* . R	1.4	1.5	. 4	• .7	TRACE	. b	1.0	*.5	. 4	1.
75 <b> </b>	. 8	TRACE	. 3	1.7	. 5	TRACE	• 0	1.5	2.1	1.4	• 2	. 7	
76 I	. 4	. 4	. 1	. 3	4.5	- 1	- 1	- 3	• 5	• 7	. 3	÷ • 5	4.9
77	7.0	1 • 2	2.℃	. 3	2.2	• 5	TRACE	TRACE	*1.9	7.₽	1,6	1.0	3 + 1
78 1	. 9	. 4	. 1	• fs	. 7	• 2	• 6	TRACE	• 2	1.9	. 3	٠,5	1 • 1
79	. 8	• t	2.0	• 5	• 2	TRACE	. 7	1.2	• 5	1.0	• 5,	. 4	. • 1
60 J	. 9	. 4	. 4	2.2	2 • 1	1.0	TRACE	• ?	. 7	1.1	2.0	• 2	

NOTE + EBASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

### EXTREME VALUES OF SNOWFALL (FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF PECOPD: 51-86

ALL					•	-N-T-H-S-	-M-0						!
MONTHS	TEC	VOV	CCT	5 E P	AUG	JJL	NUL	MAY	APR	MAR	FE 5	JAN	YEAR
	i.o	5.0	2.2	٦.٩	.1	. Ü	.5	1.1	TRACE	. 1	• • • • • • • •		H1 1
2.7	. 5	1.6	1.9	1.4	2.0	• 5	TRACE	. 2	2.7	1.6	- 1	1.3	82 1
ć • 5	1.5	2.0	4	1.3	TRACE	TRACE	1.1	2.5	1.2	. 4	. h	• 2	83 <b>I</b>
c . H	1.2	2.8	3.1	• 3	TRACE	• 0	. 9	TRACE	TRACE	TRACE	• 1	• 5	84 1
3.5	• 1	1.3	3 - 5	• P	. 5	TRACE	. 5	TRACE	1. C	• 2	TRACE	1.5	P 5
5.5	• *	• 3	• 2	4.5	1.0	TRACE	• 1	1.1	• R	1 • C	5.5	• 6	86
4.33	1.08	2.05	2.21	1.99	.42	.27	.47	1.51	1.15	.87	1.38	1.52	MLAN 1
2.545	1.218	2.498	1.529	1.697	.621	.493	•590	1.716	. 797	. B61	1.671	2.557	S.D. 1
12637	1115	1079	1085	1049	1085	1085	1049	1085	1 114 0	1 08 4	987	1085	AL OBS 1

NOTE \* (BASED ON LESS THAN FULL MONTHS)

### MONTHLY SNOWFALL (FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF PECOPD: 51-86

					TOTAL			LL IN INC	HES				
1						-M-0	-N+T-H-S						ALL
YEAR !	JAN	FEL	MAR	APR	MAY	JUN	JUL	AUG	SEP	001	NOV	D£C	MONTHS
	• • • • • • • • •	• • • • • • • •	• • • • • • • •		• • • • • • •			• • • • • • • •			• • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •
51											2.5	1.6	
52 1	3.0	4.5	1.4	2.3	• 5	TRACE	TRACE	• 3	4.1	. 7	5.8	5.3	27.9
53	4,2	2.9	1.3	. 4	1.0	• 2	TRACE	TRACE	3.2	7.0	10.0	1.7	31.9
54	3.6	1 - 6	4.7	1.5	2.9	. 3	TRACE	• 0	2.3	7 • 4	2.4	1.7	28.4
55 <b>l</b>	1.3	2.9	TRACE	1.6	8 • 2	TRACE	TRACE	TRACE	- 4	11.4	6.6	. 9	73.5
56	. 8	. b	. 7	1.2	1.3	TRACE	TRALE	• 3	1.7	9.6	1.8	. 8	19.L
57	- 1	1.8	1.8	TRACE	. 9	TRACE	• 0	• 0	4 - 1	14.5	5.9	3.1	32.42
58 I	8.5	14.8	1.0	. 8	1.1	. 7	• 0	TRACE	10.5	14.7	7.8	Ē • 9	65.8
59 J	1.6	l. (	1.5	2.9	. 6	1.3	• 0	• 0	5 • 2	6.8	2.1	2.6	25.6
60	2.3	2.4	5.7	. 9	2.7	.6	• 0	TRACE	7 - 1	3.7	9.2	1.4	32.0
61 1	1.6	TRACE	1.0	1.8	6.5	1.3	. 1	• 1	4.5	2.2	1.6	2.2	22.9
62	1.7	TRACE	4.1	5.€	5.2	TRACE	TRACE	3 • 3	4.7	4.8	3 . 3	2.1	34.8
63 [	10.7	7.5	1.1	1.5	2.8	1.0	TRACE	TRACE	6.2	4.0	4.7	2.6	42.1
64	25.8	9.6	2.5	<b>*</b> 3 • 5	2.7	•.3	2.8	4 • 6	7 • 5	7.9	2.6	4.4	•74.2
65	4.6	16.9	5.7	3.1	4.1	5 - 1	6.3	• 6	5.7	10.7	5 . r.	1	10.6
66	4.6	2.1	1.2	1.9	3.6	3.6	. 8	• 0	1.6	10.9	. 3	1.5	12.2
67 l	. 9	1.0	. 9	1.1	8.7	2.1	1.2	. 3	2.3	7.3	9.7	12.5	46.2
68	. 6	4.3	• 2	2 • 8	4.0	• 2	- 1	TRACE	9.1	4.2	3.9	£ . 7	35.0
69	2.7	4.2	4.1	2 - 1	3.9	4.3	• 2	TRACE	4 . 3	4.6	26.2	2.0	56.6
70 (	TRACE	4.0	• 9	8.2	14.9	. 9	TRACE	1.7	7.3	5.0	7.1	24.4	76.4
71 j	2.0	2.0	2 • 0	4.2	2.4	TRACE	1.5	2.0	2.7	1.7	2.4	. 9	23.6
72 1	6.2	<b>*2.1</b>	3.9	1.2	5.1	TRACE	TRACE	1.0	3.4	7.8	1 - 1	• TRACE	<b>*31.8</b>
73 1	4.5	. 4	2.1	3.9	4.1	TRACE	2.1	TRACE	9.7	2.4	3.9	2.3	36.4
74	1.2	3 . 8	+1.2	3.6	9.5	. 7	• 2	TRACE	1.1	4.2	*.9	2.2	*?b.6
75	1.0	TRACE	٠ ن	2 • 1	. 9	TRACE	.0	2.0	7 . 3	13.2	. 4	1.9	29.4
76	1.5	• 7	• 2	• 9	8 • 1	. 1	. 1	. 6	2.2	1.9	5.0	4.4	22.7
77	5.4	7.6	6.0	. 9	4.4	1.0	TRACE	TRACE	•6.1	7.6	6.0	7.7	*43.2
78	3.4	1.7	• 2	2.8	. 2	• 2	• 0	TRACE	• 2	7.0	. 4	1.1	17.2
79 1	2.9	1.8	7.1	1.9	. 2	TRACE	1.3	2.8	1.4	2.2	2.1	1.1	24.8
80 [	5.4	. 7	1.2	4.4	4.3	1.2	TRACE	• 2	1.6	1.3	5.6	. 3	24.2

NOTE . BASED ON LESS THAN FULL MONTHS!

CONTINUED ON NEXT PAGE....

## MONTHLY SNOWFALL (FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF PECORD: 51-86

	1						- M - O	-N-T-H-S	-					ALL
YEAP	•	MAL	FEE	MA R	AP P	MAY	JUN	JUL	AUG	SEP	0.01	NOV	l E C	MONTHS
81	1	1.4		.1	TRACE	1.3	• • • • • •	.0	.2	3.9	7.4	8.4	3.1	26.
82	1	3.4	• 2	2.2	5 . 2	• 3	TRACE	• 5	2.2	4.7	5.4	2.9	1 - 3	27.0
B 3	1	. 4	2.5	1.6	4.4	4.7	2.0	TRACE	TRACE	4.0	۴.8	3 • D	3.8	35.2
84	1	• 6	. 1	TRACE	TRACE	TRACE	1.9	•0	TRACE	. 4	3.7	8.0	2.0	16.
8.5	1	1.5	TRACE	- 3	2.8	TRACE	1.2	TRACE	. 9	2.3	10.2	4.4	• 3	23.5
86	1	1.3	13.9	2.5	9.	1.7	• 2	TRACE	1.5	7.8	.7	• 6	1 . 3	32.3
	• • • •						• • • • • • • •		• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • • •
MEAN	,	3.39	3.32	2 • 0 5	2.32	3.51	• 90	.49	.71	4.00	6.37	4.87	3.28	33.9
5.0.	1	4.544	4.325	1.948	1.815	3.301	1.266	1.211	1.131	2.678	3.864	4.667	4.300	14.462
AL OBS	1	1085	987	1034	1 04 9	1085	1049	1065	1085	1049	1085	1079	1115	1283

NOTE \* (BASED ON LESS THAN FULL MONTHS)

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH FROM SUMMARY OF DAY DATA

OTTAT 2	N NUMBI	R: 042	2020		STAT	ION NA	NPE:	THULE	AB GL			<b></b>		PERIO	OF REC	ORD: 51-86
	· • • • • • • • • • • • • • • • • • • •	1		 I I	· · · · · · · · · · · · · · · · · · ·	4	7	13 l		IN IN	1 49		OVER			FONTHLY AMOUNTS
MONTH	NONE	   Trace 	1	   2   	3		10     12   				1 10 1 60	12E   12E	120	WITH     MEAS     AMTS	085 1	MEAN GREATEST LEAST
JAN		2.0	   4.1	4.1	6.1	21.7		25.4	2.5	•••••	i I !	 		   98.0	1085	
FEB		2.8	2.9	2 • 8	- 4	24.8	31 - 4	27.8	7.0		į	į		97.2	9891	
MAR		1.8	!   3.0 :	5.5	2.5	20.7	33 - 7	24.4	6.8	1.0	į		į	98.2	1084	
APR	<u> </u> 		   3.4	8.8	4.3	22.8	   34 • 6	18.7	7.5		!	<u>.</u>		100.0	1050	
MAY	11.4	3.4	  16.2	8.3	7.1	13.7	   28 • 1	8.4	3.3		!	[		A5.2	1085	
JUN	76.7	9.1	6.7	2.7	1.7	1.9	1.1	.1			! !			14.2	1050	
JUL	99.7	!	2	.1								!		. 3	1005	
ΛUG	97.6	1.5	.7	.2							1	! !		.9	1385    1385	
SEP	52.5	113.3	1	7.6	5.5	5.8	. 9					ļ	\ !	34.1	1049	
061	6.7	6.7	14.9	12.8	11.5	30.7	15.0	1.6			!	1		86.5	1085	
NOV	. 6	.5	l   8.7	7.6	10.8	40.3	22 • 2	9.4			}	!	į	99.0	1079	
DEC	!   •8 	   1.4 	1 ] 3.0	10.9	   7.1  	   28.8 	   36 • 5   	17.5	   		!	!	i i	97.8	1115	
ANN	1 28.8	1 3.5	1 6.5	1 5.9	1 4 - 7	17.6	19.3	11.1	2.3		i	· · · · · · · · · · · · · · · · · · ·		1 67.6	1 12841	· · · · · · · · · · · · · · · · · · ·

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-86

					U	WONS YILA -M-O-	**************************************		>				ALL
YEAR !	JAN	FEB	MAR	APP	MAY	วบท	ั้งมั่น	AUG	SE P	0.01	NOV	t £ C	MONTH
51	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •		• • • • • • • • •	• • • • • • •			• • • • • • • •	3	2	• • • • • • • •
52	3	8	В	2	2	0	Ü	0	2	1	L	4	
53 [	7	7	5	3	1	1	0	0	1	4	12	1.1	1
54 1	13	13	14	14	rş.	0	n	0	2	7	10	12	1
55 !	13	14	12	9	11	1	C	0	TRACE	4	6	6	1
56 I	5	5	6	6	q	TRACE	0	TRACE	1	6	6	5	
57	6	6	6	(	2	0	0	0	. 1	O	9	11	1
58 I	16	21:	18	12	12	3	Ü	σ	7	10	10	11	2
59	12	11	10	9	5	TRACE	O	0	4	10	13	16	1
60	18	20	24	26	16	4	ø	0	3	7	2.3	2.1	?
61 1	23	7	7	9	12	7	o	Ū	3	5	7	9	2
62 l	11	1 1	15	18	15	O	9	1	4	9	1.2	13	1
63	24	3.2	3.2	27	18	4	G	0	5	5	7	7	3
64	14	15	я	9	10	4	0	2	7	10	11	11	I
65 [	20	3.5	39	31	15	٥	0	1	5	12	9	10	3
66	11	1 1	11	11	11	2	0	0	1	6	4	5	1
67 1	6	7	7	6	Я	3	0	0	1	4	14	22	2
68 1	20	22	22	14	12	8	O	D	7	Ģ	6	10	2
69 l	1.3	18	22	20	12	1	Ü	0	4	4	22	7	2
7U	6	1.0	3	8	12	3	G	ì	3	3	6	23	2
71 1	26	12	12	13	12	3	0	TRACE	7	3	3	В	2
72	14	27	29	31	28	30	n	1	1	10	7	<b>*</b> 5	3
73	9	8	9	11	13	1	2	0	7	8	12	15	1
74	16	2 iI	<b>*21</b>	25	30	13	Ü	0	1	5	<b>*</b> 6	8	3
75 l	10	10	10	11	13	0	U	1	4	15	15	17	1
76	19	20	20	21	29	1	0	C	1	2	5	11	2
77	16	8 1	24	24	24	2	υ	Ð	<b>*</b> 5	12	16	21	2
78	27	2 &	22	10	7	0	Ð	0	ŋ	7	5	3	2
79	4	5	8	6	3	0	O	0	TRACE	2	4	4	
80	2	1	3	7	10	1	n	n	1		6	1	1

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

#### EXTREME VALUES OF SNOW DEPTH (FRUM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PEP100 OF PECOPD: 51-86

	ı					D	- N-O - N-O	DEPTH . N-T-H-S		\$				ALL
YEAR	ŧ	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	0.01	NOV	PFC	MONTHS
81	ï	2	2	2	2	?	0	0	TRACE	3	6	<i></i>	6	6
82	1	3	TRACE	1	b	5	TRACE	0	C	3	7	5	4	7
83	ŀ	4	6	6	r,	5	0	O	O	3	4	4	7	7
84	1	8	8	A	Я	6	0	U	0	D	3	5	9	8
85	1	7	5	5	5	1	n	0	0	2	9	5	2	9
86	l	3	3.1	20	11	4	TRACE	O	2	6	1	1	3	20
MEAN	1	11.7	13.1	13.2	12.5	10.7	2.1	. 1		2.7	6.3	8.3	5.5	17.0
S . D .	1	7.204	8.678	9.305	8 . 22 2	7.809	3.124	.338	.561	2.165	3.494	4.850	5.972	8.470
TAL OBS	1	1085	989	1 084	1050	1085	1050	1085	1085	1049	1085	1079	1115	12841

NOTE \* (BASED ON LESS THAN FULL MONTHS)

c - 1 - 1

#### SURFACE WIND SUMMARIES

#### EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIOUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECUPU THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED 14 TENS OF DEGREES.

AN ASTERISK "+" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

#### BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PEPCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY TALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVAPIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITIS COURL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".D" IN THESE TABLES INDICATES ONE OR MORE OCCUPRENCES AMOUNTING TO LESS THAN .DT.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF FECORD: 54-96

	r									D			K GU:			CNOIS	1									LL
YEAR	i	JAHİ		FEBI		MA R∤		APR		MAY		JUNI		JUL								NOVI		C E C L		
54	 I	;	• • • •		• • • •	;	••••	;	• • • •	;	• • • •	٠;	••••	٠٠٠;	••••	· • • • • · · · · · · · · · · · · · · ·	••••	••••	• • • •		£ 5 £	• 7 5	٠٠٠. ٦٢	481		• • •
55	I SSE	521	SSE	681	53E	521	5	411	ESE	511	SE	501	SSE	521	SE	74	Ł	#76		- 1	SE	*271	ESE	411		
56	3.2	731	SF	551	SSE	491	ESE	501	SE	351	SSE	*311		i		i		1	SE	+571	ESE	461	ESE	511		
5.7													£									501			E	81
53	I SSE	581	ESE	701	SSE	381	SE	65	SF	681	£	421	£	591	ŧ	171	NNW	321	NE	45	ESE	48	358	461	ESF	7 (
59	I SSE	581	SSE	63	SE	341	ESE	581	SE	301	SΕ	321	SF	251	SE	311	ENE	6A I	N.E.	501	ESE	501	SE	361	ENE	68
60	l ESE	811	ESE	661	ΓSE	901	SE	54	HNW	*27 I	SE	281	ESE	47	E	# 3 3 1	SF	341	ŧ	431	SE	431	ESE	28	1.51	91
61	1 SSE	631	SE	5.01	ESE	581	S	191	SE	341	SSE	411	SF	471	ESE	+481	E	* 30 F	LNE	*511	SSE	+471	SE	•551	551	f,
62	1 SE	391	SF	651	£5E	351	554	301	ESE	521	SSE	391	E	581	ESE	. 581	ENE	721	SE	4.71	ESE	601	ESE	7 (1 [	E tyl	7.
6.3	l SL	701	SSE	64	SE	681	SE	451	SE	341	SE	341	ESE	431	E	501	SE	44	ŧ	381	5	651	N	481	۱,	7
64	l (	671	5 S ¥	601	SE	601	SSE	651	SSE	261	SE	511	ESE	641	ESE	*45	E	*531	SE	391	55E	*39 F	55€	501	Ł	6
6.5	l SE	801	w	7 71	554	501	SSW	351	s	501	SE	371	ENE	46	Ε	641	ESE	55	SE	461	ENE	5 B [	ESE	461	SF	A,
66	l E	631	SΓ	511	SE	34	ESE	551	NS W	481	SE	501	£	401	£	531	SF	651	51	361	S	491	SE	571	54	6
67	1 2E	521	ESE	741	SSE	1321	ESE	84	SSW	601	S€	271	£	581	ESE	491	SW	49	SF	461	ESE	551	SE	701	551	11
68	1 SE	401	ESE	501	SE	49	ESE	551	ESE	48	ESE	461	147	411	12/	471	107	651	11/	571	A /	531	107	471	107	4.0
69	1 22/	521	12/	501	147	44	14/	321	13/	44	2/	311	14/	311	107	361	124	431	167	241	15/	541	14/	391	157	•
73	1 15/	58	207	631	14/	561	14/	64	13/	371	11/	501	11/	44	12/	/ 58 j	16/	461	14/	601	15/	801	13/	701	157	P
71	1 21	361	14/	391	14/	361	16/	401	12/	641	13/	631	137	571	15/	641	11/	521	7/	521	11/	321	127	15.8	121	н
72	10/	701	14/	811	12/	961	23/	571	13/	34	13/	501	157	261	13/	7 391	11/	481	7/	441	13/	491	4/	37	12/	Q
73	1 13/	571	17/	321	117	761	15/	31	147	541	127	491	127	621	14/	671	14/	401	4/	54	4/	2.1	13/	401	117	7 (
74	16/	301	13/	251	13/	381	12/	351	14/	411	107	581	14/	41	14/	/ 521	12/	441	11/	41	11/	4.21	13/	301	167	5
75	10/	431	7/	441	1/	441	13/	55	14/	291	10/	511	7/	501	7/	671	13/	461	F/	45	13/	411	127	441	1/	6
76	14/	741	13/	541	127	601	14/	35	16/	621	14/	401	127	491	137	/ 3R [	17/	761	13/	431	16/	361	8/	541	127	7.0
7.7	1 13/	661	13/	4 71	13/	641	127	541	6/	381	137	501	7/	271	13/	271	13/	661	117	5 A	9/	4 R	7/	711	7/	7
7.8	9/	501	11/	461	10/	321	9/	451	7/	451	14/	3 R [	11/	601	13/	421	167	3 3 1	127	461	13/	631	13/	651	13/	6
79	1 12/	661	1 1/	561	13/	711	12/	651	15/	361	13/	371	107	531	8 /	/ 531	13/	251	14/	421	15/	541	157	471	13/	7
A G	1 15/	621	14/	621	9/	601	11/	38	7/	441	3/	451	117	701	13/	/ 561	13/	431	137	421	13/	46	137	491	117	7 :
8.1	1 11/	50	13/	561	12/	351	127	471	11/	551	11/	401	14/	431	8 /	451	9/	163	137	471	15/	551	157	501	9/	- 61
B 2	1 10/	411	14/	281	14/	501	12/	421	7/	76	7/	381	107	571	164	481	12/	431	14/	231	9/	551	157	211	11	7
8 *	1 15/	261	157	451	16/	511	1/	601	67	461	14/	341	127	641	154	/ 26 İ	4/	221	107	771	117	701	9/	321	1 d /	7

NOTES \* (RASED ON LESS THAN FULL MONTHS)
5 (RASED ON LESS THAN FULL MONTHS AND \*100 KNOT\*)

CONTINUED ON NEXT PAGE....

# EXTPEME VALUES OF SURFACE WINDS (FROM DAILY ORSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GE

PEP100 OF RECOFD: 54-86

						D A	ILY PEA	K GUSTS :	IN KNOTS					
	t						- M - O	-N-T-H-S	-					ALL
YEAR	1	IMAL	FE 61	MARI	AFF	MAY	JUNI	JULI	AUG I	.fbl	n <b>c r J</b>	NOVI	C E C I	MONTHS
														• • • • • • • • •
84	1	12/ 421	137 351	10/ 48	12/ 24	10/ 331	12/ 421	17/ 48	47 401	37 421	61 651	16/ 381	117 591	9/ 52
45	ļ	11/ 721	13/ 38	15/ 481	16/ 44	16/ 33	16/ 35	15/ 411	16/ 451	11/ 491	147 701	29/ 821	5/ 44	797 P2
8.6	ı	6/ 551	117 521	11/ 48	12/ 521	5/ 48	12/ 40	17/ 641	6/ 621	157 421	167 221	167 501	14/ 641	17/ 64
MEAN		56.71	53.8l					49.31						73.9
5.0.	i	14.2211	14.2281											11.340
TAL OBS	1	991	9031	9891	9561	9841	9521	9591	9401	8851	9271	933[	10011	11420

NOTES \* (RASED ON LESS THAN FULL MONTHS)
5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

#IND SPEED IN KNOTS

UIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 46-55 GE 56 TOTAL MEAN MEAN ₩ 1 N D . 1 . 1 4.0 NNF . 2 . 5 . 8 . 1 . 1 1.7 7.1 NE . 5 3.2 . 4 . 2 2.6 7.0 6.9 FNE 1.2 6.4 4.6 • 5 . 2 6.2 Ł 4.9 15.9 11.5 1.9 . 3 6.9 ESE 5.9 1.0 • 3 . 1 ٩.0 SE 1.3 1.0 . 3 1.1 . 4 . 4 • 2 • 2 . 1 5.1 14.7 SSF • 2 . 1 15.0 3.0 . 3 . 2 - 1 . 1 6.9 1.2 5 S W . 1 - 1 . 1 • 3 14.0 . 1 . 5 2.8 • 1 • 1 6.5 . 1 . 4 5.0 END . 1 . 1 .. 9.5 NW 7.0 . 1 4.0 VARIABLE ! CALM 8.8 111111 TOTALS 1.1 ٠ ١ 100.0 6.9

LLUBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0300-0500 I WIND SPEED IN KNOTS 11-16 17-21 22-27 28-33 34-40 DIRECTION 7-10 (DEGREES) [ WIND N . 1 . 4 6.4 NNF . 3 • 3 • 8 . 3 1.7 6.6 . 5 NE 2.5 2.9 . 4 . 1 6.5 7.2 ENE 2.7 6.3 5.1 • 3 • 2 6.1 Ł 16.2 13.9 • 5 . 5 . 2 6.7 1 - 3 3.7 1.0 . 9 . 3 . 3 ۹.1 ESE 6.1 13.5 . 4 . 5 SE 1.4 1.2 • 5 1.0 . 1 . 2 - 1 5.3 12.1 SSE . 1 . 7 . 1 . 5 . 3 . 6 . 2 2.2 17.7 . 3 • 2 9.7 5 1.1 5 S H - 1 . 1 5.0 SW . 2 . 3 . 5 1.4 USU . 3 . 1 4.8 • 1 . 2 . 3 3.7 . 3 3. ь VARIABLE I CAL R.6 ///// 100.0

FORAL NUMBER OF OBSERVATIONS:

930

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-86
HONTH: JAN HOURS(LST): 0600-0800

		• • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •		ND SPEED	IN KNOTS		• • • • • • • •	••••••		•••••	•••••
DIRECTION   (DEGREES)		4-6	7 -10	11-16	17-21	22-? 7	28-33	34-40		48-55	GE 56	TCTAL 1	ME AN Wind
N	.1	• • • • • • •	-1	-1		• • • • • • • •		• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	. 3	7.7
NNF	   .8	. 9	• 2	• 2								2.0	5.4
<i>u</i> E	.9	2.4	2.3	.4								5.9	6.2
ENE	! ! 1.2	7 • 8	4.3	.4	• 5							14.3	6.6
Ē,	4.7	17.2	12.7	1.9	• 5	. 4	. 3					37.8	€ • Я
F SE	1 1.1	5.7	4.7	• B	. 3	. 8	. 3					13.7	5.3
SE	! ! •3	1.3	2.0	1 • 4	. 4	• 3	. 3	• 2	• 1			6.5	12.8
SSE	! ! .3	. 1	• 5	. 4	.4	. 2		. 4	• 1			2.6	17.5
s	.1		. 4	.2								. 8	н.9
SSW	.2	• 2										. 4	<b>५</b> • ऱ
SW	.2	. 1	. 1									• 44	4 <b>.</b> [3
wsw	! !												
W		• 8	. 3									1.3	r . 3
WNW	.1	. 1	. 1									. 3	4.3
NW	!		. 1									. 1	7 • C
NNW	.1	. 1										• 2	2.5
VARIABLE	2.4	1.4	3				• • • • • • • •					4.2	3.7
	1												(11111
	[ <i>///////</i> 										,,,,,,,,		
10 TALS	12.7	5 6 . 1	28.3	6.0	2 • 3	1.7	1 • C	.6	• ?			100.0	6 . R
	• • • • • • • • •			· • • • • • • •	• • • • • • •	• • • • • • • •		• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86 MONTH: JAN HOURS(EST): 0900-1100 WIND SPEED IN KNOTS DIPECTION 17-21 22-27 28-33 34-40 7-10 GE 56 TETAL (DEGREES) | 1 WINL . 3 . 3 5.8 . 2 . c, NNE ٠1 . 2 6.2 . 5 2.3 2.7 . 5 . 2 NE 4.2 7.3 ENE 1.5 7.3 5.5 . 9 . ! 15.3 E 4 . 1 19.0 12.7 1.4 . 8 . 4 7.0 ESE 5.1 1.0 1.1 . 3 • 1 . 1 13.9 9.4 SF 1.3 2.0 1.0 .5 . 2 . 4 . 2 6.1 11.8 SSF . 2 . 5 . 4 . 3 • 2 .6 . . 2.7 15.9 . 1 s . 1 - 1 . l 5.3 5 5 W . 1 - 1 • 1 . 3 5.7 SW . /4 2.3 WSW • 2 MNH . 1 ٠. ١١ . 2 N¥ . 1 . 1 6.0 NNW . 2 3.7 . 1 VARIABLE 2.0

1.4

1.4

. 1

9.9

6.8

100.0

TOTAL NUMBER OF OBSERVATIONS: 950

CALM

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER	R: 042023	S T A 110 N	NAME:	THULE AB	GL				PERIOD MONTH:	JAN	HOURS (LS	-86 T): 1200-	1400
DIRECTION   LDEGREES)		4 - 6	7 -10	11-16			IN KNOTS 28-33			48-55	GE 56	TOTAL	MEAN WIND
N	! !	.7	•••••	-1		•••••	•••••	• • • • • • • •	•••••			. 3	7.3
NNF		. 3	• 2	• 1								٠٠	f . 1
NE	.5	2.3	2.2	. A	• 1	. 1						5.9	7.4
E NE.	1.6	8.1	4.5	1.0	• 2							15.4	6.5
Ł	3.0	15.5	13.8	1.5	• 5	. 2		. 4				34.9	7.1
ESE	2•0	5.4	4.0	1.4	1.0	. 4	• 2					15.4	4.3
Sf	• 1	1.7	1.3	1.2	.6	. 3	• 2		. 3			5 • A	13+1
SSE	.2	.5	. 6	. 9	. 5	. 3	. 9					₹.0	15.9
5	• 3	. 1		• 1								• ¢.	4.4
SSW	! !												
S #	• ?	. 7	. 1									• t,	4.4
WSW		- 1										• 1	4.0
¥	. 11	. 2										.6	2 • A
h NW	• 2											.0	3.0
NW		. 1										. 1	4.0
NNW		. 1										-1	4.0
VAPIABLE	1	. 9	. 1									₹. ₽	7.0
	<i>                                    </i>							////////			11111111		/////
TOTALS	11.7	35.7	27.7	7.0	3.0	1.4	1.7	.4	. *			100.0	6.8

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

TATION NUMBER. ON 2020 CTATION NAME. THUS AS CL

<u>.</u> .									MONTH:	JAN	HOURSILST	-86 []: 1500-	1700
j j	• • • • • • • •	• • • • • • •	••••••	•••••			IN KNOTS		• • • • • • •		• • • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •
UTRECTION I (DEGREES)	1 - 3	4-6		11-16	17-21	22-27	28-33	34-40			GE 56	TCTAL	ME AN MIND
N [	.3		** ** ** ** **	•1	•••••	• • • • • • • •	••••••	• • • • • • •				.4	4.5
NNE	• 1	•6		. 1								. 9	5.6
NE !	• 5	2 • R	1.9	• 5	• 2							6.0	7.0
ENE	1.6	9.1	4.3	. 4	• 2	• 2						15.9	6.4
E	4.8	17.0	13.2	1 • 4	• 5	. 3	- 1	• ?				37.6	6.6
ESE	1 • 2	5.9	3.9	• 6	. 8	. 6	. 3	. 1				1 ₹.4	8.7
SE !	.5	1.1	1.5	1.1	1.0		• 3	• 1	- 1	. 3		6.0	14.4
SSE		• 6	. 3	. 9	. 4	. 3	• 1	• 1	• 1			2.9	15.6
s į		•2	. 4				. i					۰.	10.4
SSW !		• 1	• 1									• 2	6.5
SH	. 1	• 7	. 1									. 4	5.3
WSW	• 2		. 1									. 5	4.3
H .	.6	. 4										1.1	3.5
PNH [													
NH		- 1										. 1	5.0
NNW 1		• ?										.:	4.5
VARIABLE	2.2	1.2			• • • • • • •		•••••	•••••	• • • • • • •			3.5	3.6
CALM /	,,,,,,,,	,,,,,,,	1111111	,,,,,,,,	//////	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	///////	,,,,,,,	10.1	/////
TOTALS	12.3	39.7	26.0	5.3	3.1	1.5	1.0	. 5	• 2	. 3		100.0	6.9

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF HECOPD: 77-86 HONTH: JAN HOURS(EST): 1860-2000 I WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 TOTAL 6150 IDEGREES! | 1 N ] 4.3 1.7 4.6 NNE . 4 • 3 • 2 NF 7.4 . . 9 τ, , , ENE 1.8 8.1 4.0 . 3 - 1 Ł 4 . A 17.5 10.9 1.8 36.1 t.6 . 9 1.0 ESE 1 - 1 6.7 3.4 1.5 . 3 14 . 1 S E -2 . 5 . 2 6.3 1.1 1.4 1.8 - 1 ! SE . I • 2 . 8 . 4 . 1 1.9 12.1 •2 ٠,١ 1.2 10.4 S . 3 2.6 SSW . 1 5.0 54 . i . 1 4.0 . 1 • 1 7.2 .1 NW NNW 3.9 1.3 CALM 9.7 ///// TOTALS 2.2 2.4 . 8 . 3 . 2 100.0 6.7 . 1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF RECORD: 77-86 MONTH: JAN HOURS(LST): 2100-2300 WIND SPEED IN KNOTS DIRECTION 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN (DEGR:ES) | WIND 6.0 . 1 NNE . 4 . 3 1.0 6.3 NE 1 - 3 3.2 2.0 7.3 6.3 1.7 6.4 4.1 • 6 . 1 15.2 6.0 Ε 4.1 17.2 11.5 1.4 1.2 . 3 36.5 7.1 . 6 . 1 ESE 1 - 2 6.2 3.7 . 4 . 2 1.1 . 4 . 1 13.3 8.2 13.5 SE . 4 1.5 1.4 1.4 1.5 . 5 . 2 . 1 . 1 7.2 SSE - 1 . 2 • 2 • 6 . 4 - 1 . 2 . 1 2.4 18.4 5 . 3 . 5 . 1 1.0 8.3 . 1 2.0 - 1 . 6 4.8 . 3 . 1 4 . A . 2 . 6 . 1 • 6 1.1 6.2 • 2 VNU - 1 . 1 16.0 . 1 N to • 1 2.0 NNA . 1 . 1 10.0 . 1 VARIABLE 4.7 3.1 CAL 8.6 ///// TOTALS 6.2 . 9 . 5 • 2 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86

STATION NUMBER: 042020 STATION NAME: THULE AB GL

3 111 2011 110 110 110	042020	STATION	HAIL.	THOLE NO	UL.				MONTH:	JAN	HOURS (LST		L	
DIRECTION (DEGREES)		4-6	7 -10	11-16	HIN 17-21	ID SPEED 22-27	IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN LIND	• • •
N	-1	. 1	-1	.0	•••••	•••••	•••••	• • • • • • • •	•••••	• • • • • • •		. 3	5.9	••
NNE	. 3	• 5	. 3	• 1	•0							1.2	6.1	
ΝE	.7	3.5	2.4	•5	. 1	• 0						6.5	6.8	
ENE	1.7	7.9	4.5	•6	•2	• 1						15.0	6.3	
£	4.5	16.9	12.5	1.6	.6	. 5	• 2	• 1				37.0	6.9	
ESE	1.3	5.₽	4.3	1.0	.7	• 5	. 3	• 1				14.1	8.4	
SE	.3	1.4	1.5	1.2	.7	• 5	. 3	• 1	. 1	. 1		6.2	13.3	
SSE	• 2	• 3	• 3	.7	. 4	• 3	• 2	• 1	- 1			2 • 7	16.1	
S	•2	• 2	. 3	•1	• 1		• 0					. 8	P . 3	
S S #	-1	• 1	•0	•0		• 0						.2	6.5	
SW	• 2	• 2	- 1									• 5	4.0	
NZM	.1	- 1	• 1									. 3	4.7	
-	. 3	. 4	• 1	•0	•0							. A	4 . R	
WNN	.1	• 1	•0	•0								• 7	6.1	
NW	.1	- 1	• 0									. 1	4.1	
NNW	.0	• 1	• 0									. 1	4 . 3	
VARIABLE	1 1 2.7	1.3						• • • • • • •	•••••			4.4	3.5	
	    /////////////////////////////////												111111	
TOTALS	l 1 13.0		26.8			1.9		.4	•?			100.0		
IOTALS	13.0	30.3	20.8	6.0	Z • 8	1.7	1 • ()	. 4	• ?	- 1		100.0	6.8	

# PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER: C42020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: FER HOURS(LST): GOUD-O2DD

| WIND SPEED IN KNOTS
| DIRECTION | 1-3 4-6 7-10 | 1-16 17-21 | 22-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-27 | 28-2 (DEGREES) | WIND N 6.5 . 2 NNF • 2 2.0 4.4 NE. . 8 2.2 . 2 3.3 ENE 1.9 9.9 4.4 16.2 5.6 • 1 Ł 18.8 9.3 • 2 . 2 . 1 12.2 ESE 4.4 3.4 . 8 6.6 3.0 1.3 . 4 . 2 • 2 5.0 12.4 SE . 5 1.1 1.1 3 . P 11.0 . A . 2 . 1 SSE . 4 • 5 1.8 . 2 2.1 8.7 s . 2 - 7 • 6 . 4 . P SSW . 4 • l . 2 - 1 6.9 SW . 4 . ? .6 2.8 . 7 4.0 2.1 4.□ 1.2 • 6 . 5 • 1 . 1 NW - 1 3.0 • 1 NNW . 1 6.0 . 1 10.3 ///// CALM 1.7 . 7 . 5 . 4 20.8

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATION.

STATION NUMBER: 042023 STATION NAME: THULE AB GL PERIOD OF RECORD: MONTH: FEE HOURS (LST): 0300-0500 22-27 28-33 34-40 41-47 48-55 GE 56 (DEGREES) | WINL 1 N ..... NNE . 1 4.0 . 1 NE 1.1 2.7 . 1 3.0 4.2 1.5 ENE 8.4 5.6 • 2 - 1 15.4 6.1 Ł 9.2 16.7 11.9 . 8 r. 🔭 ESE 2.7 4.7 3.0 . 7 • 2 SE • 2 . 7 . 1 4 . 5 12.6 • 2 • 7 . 6 . 1 - 1 . 1 3.2 10.8 S • 5 1.7 7.4 SSW . 1 • 2 . 1 ٠, B . C SK . 2 • 2 • 2 . 7 5. 1 WSW . 6 . 6 . 1 4.0 1.5 . 4 . 6 . 4 1.3 4.4 . 1 UND 9.0 NW NNW VARIABLE ! 1.3 CALM 11.0 ///// 100.0

TOTAL NUMBER OF DESERVATIONS: P46

GLOBAL CLIMATOLOGY BRANCH USAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS AIR WEATHER SERVICE/MAC

STATION NUMBER: DAZDZD STATION NAME: THULE AB GL

77-86 PERIOD OF RECORD: MONTH: FER HOUPS(LST): B600-0600 #IND SPEED IN KNOTS DIPECTION ! 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 7 -10 TETAL MEAN IDEGREES) ! 1 WIND N NNE 1.9 4 - 6 NE . 9 . 4 3.1 FINE 2.4 9.3 4.1 • 1 . l 16.1 5.4 18.0 • 5 ٠, 5.5 2.6 6.4 ٠5 6.4 Sf 1.7 . 7 - 1 . 2 5.4 - 1 11-1 • 5 • . 2 • 8 1.5 • 1 . 1 - 1 ₹.0 13.5 s 4.9 . 8 - 1 . 1 2.1 6.0 . ? 5 S W . 1 . 1 . 1 . 5 3.3 . 2 45 A 3.1 ٠, . 1 3.0 3.7 4.0 • 1 . 1 VAPIABLE 10.9 ///// . 6 .......

PEPCENTAGE FPEQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY ORSERVATIONS

PERIOD OF RECORD: 77-86

MONTH: FER HOURS(EST): 0900-1100

WIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-23 707-11 WIND (DEGREES) 1 ı . . . . . . . . . . . . N . 2 . 2 5.0 3.n . 1 NNE . 1 NE 1.2 2.6 . 1 4.5 4.6 . 1 15.2 · • 1 9.8 11.0 1.2 41.1 5.5 E 3.0 13.5 6.9 • 2 . 2 £ S £ 3.0 5.6 . 6 ٠, . 9 . 8 . 5 . 5 4.5 14.6 SE . 6 . 6 . 1 SSE . 6 . 6 . 7 1.2 • 2 . 2 3.5 10.5 1.9 1.2 . 2 . 1 8.6 s . 1 • 2 SSW . 1 . 1 1.0 . 2 5.4 SW . 4 . 6 **#5**# . 2 . 5 . 1 . A 4.7 • ? 5 **.** 0 NW . 1 . 1 4.0 NNE 4.7 7.8 ///// CAL" 100.0 411.9 . P 5.7 22.2 1.2 . 1 1.3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF PECORD: 77-86
HONTH: FEB HOURS(LST): 1200-1400

| IND SPEED IN KNOTS | 1-3 4-6 7-10 11-16 17-21 22-27 28-13 26-60 DIRECTION I (DEGPEES) LINE 3.5 • ì - 1 • ? NNE . 1 3.0 . 1 N£ . 9 2.7 . 4 - 1 4.1 4.9 2.4 ENE 2.4 9.8 • 2 . 1 14.9 5 - 1 E 9.7 19.1 8.5 1.2 . 4 . 7 39.1 5.5 ESE 6.0 2.0 SE 1.2 1.1 17.9 1.4 • 6 6 . C 558 14.9 . 2 .5 2.2 5 • 2 . 9 7.5 . 1 • 2 SSH .5 . 2 . 7 7 - 3 7.0 SW . 1 . 2 • 1 W S W • 1 . 4 . 1 . 6 4.6 1.3 . 5 4.6 WNW . 1 4 . C Νw 4.0 NNH 1.0 . 1 . 1 VARIABLE 4.7 CALM 9.9 ///// TOTALS 1.3 1 . 4 1.3 100.0 5.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AS GL

PERIOD OF RECORD: 77-86 PENTOU OF MECORD: 77-86 MONTH: FEE HOURS(LST): 1500-1700 | WIND SPEED IN KNOTS DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN (DEGREES) | N • 1 . 1 5.7 NNE . 1 3.0 . 1 NE . 5 3.4 ٠. و . 6 E NE 1.9 10.0 • 2 3.0 • 1 15.2 5.5 £ 8.5 20.1 6.7 . 5 . . . 7 30.4 5.4 ESE 1.8 6.3 4.1 . 9 . 4 . 2 13.7 7.0 . 7 SE 1.3 . 9 1.3 • 6 . 7 . 6 • 2 13.A SSE . . • 5 . 1 .6 . 4 . 4 2.7 17.3 S . 1 • 2 . 7 . 2 • 2 10.3 55% . 2 - 1 4 . 5 SW • 1 3.0 • 1 ٠, 4.5 . 4 . 2 . 1 1.2 ٤.4 . 2 + 2 . 1 . 6 4.2 NW . 7 . 1 3.0 NNW 5.1 CALM in 12.9 mm TOTALS 43.9 19.7 2.1 1.4 100.0 4.0

PERCENTAGE FPEQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATION.

PLR10U OF RECORD: 77-86

MONTH: FEB HOURS(LST): 1900-2000

### MIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN

(OEGH:ES) | NNF . 1 . 1 2.0 NE . 9 1.9 . 4 . 1 3.3 5.0 3.5 . 2 15.5 5.9 1.8 9.6 . 1 . 2 ENE 5.5 7.6 19.4 9.0 . 7 . 2 . 2 39.1 £ 7.5 3.3 . 5 . 8 . 2 13.0 ESE 2.1 5 • 8 . 1 . 1 SE . 4 1.2 2.0 1.2 . 7 . 5 .6 . 1 6.6 13.1 5 **5 F** . i 1.1 • 6 . 1 . 1 . l 2.1 12.5 . 1 - 1 1.3 5 . 2 . 1 ₹.8 • 2 5.0 . 4 . ? • 2 . 3 1. S W 1.3 5.1 . 4 . 7 . 1 - 1 ۰, 4.7 . 4 . 4 UNU . 1 NW . 4 4.0 NNW . 1 . 1 6.3 VARIABLE 3.0 4.1 10.9 ///// CALM 100.0 TOTALS 20.3 2 - 1 1.3 . 2 5.8

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

DRD: 77-86 HOURS(LST): 2100-2300 PEPIOD OF PECORD: STATION NUMBER: 042020 STATION NAME: THULE AB GL MONTH: FEE | WIND SPEED IN KNOTS DIRECTION 1 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN HINL IDEGREES) 1 3.5 N . 4 3.3 NNE • 2 • 1 5.0 2.4 NE • 2 1.9 • 2 · .6 ENE 2.4 3.2 . 2 16.4 ٠.6 £ 9.1 9.2 • 9 • 5 . í • 1 37.7 ESE 13.2 7.8 2.6 . 4 . R • 1 6.7 10.3 SE . 5 1.5 • B 2.6 SSE . 8 . 1 11.1 • 2 . 6 • 2 9.6 . 1 S . 4 . 4 . 4 . 6 SSW . 7 - 1 4 . 7 5.0 . 2 SW ٠1 • 1 WSW . 7 . 2 • 2 1.2 4.2 W . 4 1.2 5.5 • 6 HNW 4.0 7.5 NW • ? \* . D NNW . 4 • 1 3.0 CALM TOTALS 20.0 4.5 2.1 100.0 40.3

PEPCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

	• • • • • • • • •	• • • • • • • •	• • • • • • • •			D SPEED			•••••	• • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • •
IRECTION   DEGREES)	1 - 3	4-6			17-21	22-? 7	28-33	34-46				TOTAL	ME AN WINU
N !	. 1	• 1	.n	• • • • • • • •	• • • • • • •	•••••			• • • • • • •	• • • • • • • •	• • • • • • •		4.5
NNE !	- 1	• n										• 1	¢
NE !	. h	2.3	. 4	• 0	• 0							1.1	4.7
ENE	2.2	9.5	3 • 6	• 1	. 1	• 1						15.7	€. • €
٤	R . R	15.6	9.9	.9	. •	. 1	• 0	.0				34.7	C . F.
E SE	2.5	5.4	3.5	.6	. 4	. 3	• 1	. 1				12.4	7.0
SE .	.5	1.2	1.4	1.0	.5	. 4	. 4	.2				r, . 6	12.4
362	• 2	. 4	. 7	1 • 2	. 2	. 2	• 1					3.0	17.4
5	. *	. 3	. 7	. 3	• 1	• 0						1.7	а.я
SSW !	• 2	• 1	. 1	•10	• 0							• F.	4.8
SW	• 3	• 1	• 0									. 4	3.6
WSW	. 4	. 4	• 1	•0								.0	4.3
¥ .	• 6	• 6	. 3	•0	•0							1.5	4.7
FNH	• 1	. 1	. 1										4.7
พม	-1	• 1										. 2	7.7
NNW 1	•1	• 1	•0									• 3	4.3
VARIABLE 1	2.2	1.6				• • • • • • • • • • • • • • • • • • • •						4.3	•
i i	 				,,,,,,,								
TOTALS	19,4	41.0	21.1		1.7		.8			.,,,,,,,,	,,,,,,,,	100.0	5.7

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND STRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS.

STATION NUMBER	R: 042023	STATION	NAME:	THULF AR	ŞĻ				PERIOD MONTH:	OF RECOR		-85 []: 0000-	02Lu
		• • • • • • • •	• • • • • • •	• • • • • • • •		ND SPEED			• • • • • • •	• • • • • • • •	•••••	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •
UIRECTION (DESREES)	!				17-21	22 - 2 1	28-33	34-40				TC FAC	₩1'-0
N	1 .2	• 1	•••••		• • • • • • •		• • • • • • • • •	• • • • • • •	• • • • • • •	•••••••			2,7
NNE	!	• 2		. 1								٠,	F.0
NE	.6	1.8	. 3	.1								2.9	6.0
ENE	1.0	10.0	4.6	• 2				. 1				16.9	5 . h
£	4.5	16.9	12.5	1 • 5	• 5	• 7	• 1		• 1			37.A	6.46
ESF	1.2	5.3	4.6	1.3	. 4	• 1	. 1	- 1				13.1	7 <b>.</b> P
S.f.	.2	1.7	1.9	2.5	1.5	• P		• 2	?			٦.٠	3 3 ± H
55E		. 3	• 5	. 9	.9	. 9	. 4					4.2	16+3
\$	.3	•1	- 1	• 2	• 1							. >	R . 4
SSW	-1	• 1										• •	۳. ۲
SW	. 3	٠,										. 6.	":
WSW	.6	. 1	• 2									1."	4 - 1
¥	.4	٠,										1.0	4.0
WNW	i .4	• 2										* f:	1.2
fq w	.1	. 1	• 1										5.7
*INW	•												
VARIAGLE	1.9	1.1			•••••		• • • • • • • • • •	•••••	• • • • • • •		•••••	3.4	
C41.1*		11111111	1111111	((((((	1111111	///////	,,,,,,,,	1111111	////////	///////	,,,,,,,,	7.3	111111
TOTALS	12.8	41.G	25.2	7 . ()	3.4	1.9	.6	. 4	. 3			100.0	6.9
				• • • • • • • •					• • • • • • •			• • • • • • • • •	

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSFRVATIONS

TION NUMBER									MONTH:		HOURSILS	-86 11: 0300-	0500
		• • • • • • • •	• • • • • • •			D SPEED	IN KNOTS	• • • • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • • • •	•••••
DIRECTION   (DEGREES)					17-21	22-27	28-33	34-40			GE 56	2	ME AN LIND
N .		-1	• 2			• • • • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • • • •	••••••	.5	9.4
NNE			. 1									. 1	9.0
NE .	. 4	2.3	. 4	. 3	. 1							3 • °	6 • 3
ENE .	2.9	9.4	4.3	. 3								16.7	5.4
E	2.7	20.6	10.6	1.6		. 5						36.1	6.3
ESE	1.0	6 • 3	3.3	1.0	• 6	. 4	. 1					12.8	A . D
SE I	.4	1.9	1.6	1.9	1.2	0.1	• 2	. 4	. 2			A . 4	14.5
SSE	• 1	• 2	.6	1.2	. 4	. 3	.8					3.7	16.5
S	• 2	• 1	• 3			- 1						٩.	8.7
SSW [		• ?	. 1									. 3	6.0
SW I	•7			• 1								. 3	5.0
พรพ [	•2	- 1	• 2									.5	5.2
w !	.6	• A	• 1	• 1								1.6	5.0
ENE		• 2										• 2	4.5
NW .	• 1											• 1	3.0
NNW	.3											. 3	1.7
VARIABLE	2.7	5		•1		•••••	• • • • • • • •	• • • • • • •	•••••		•••••	3.A	3.5
CALM !	,,,,,,,,,	///////	///////	11111111	//////	11111111	11111111	1111111	,,,,,,,	,,,,,,,	,,,,,,,,	19.2	/////
TOTALS	11.9	4 ¿ . B	22.3	6.3	2 • 4	2.4	1.1	. 4	. ?			100.0	6.7

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSERVATIONS

77-96

100.0

6.5

MONTH: MAR HOURS(LST): 0600-0800

PERIOD OF PECURD:

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

I WIND SPEED IN KNOTS DIRECTION | 17-21 22-27 28-33 34-40 7 -10 IDEGREES) 1 WIND N • 1 • l 12.0 NNE . 1 . 1 . ? 12.0 NE 1.5 • 5 • 2 2.3 4.9 ENE 7.6 11.6 4.1 18.7 5.5 ٤ 4.9 9.9 1.7 . 2 36.1 5, 9 ESE 1.2 5 - 1 . 2 11.3 7.2 sτ 1.7 . 2 9.2 11.7 . 6 . 3 5 S E • 1 • 3 1.0 . 4 . д . 1 3.4 20.3 - 1 - 1 - 1 - 1 1.1 11.9 5 \$ W - 1 • 2 . 5 5.0 . 2 SW . 2 . 2 . 2 4.5 WSW • 8 1.0 4.4 1.2 • 1 3.8 BNB . 4 3.5 3.7 . 3 . 1 4.0 VARIABLE | 1.1 CALM 6.7 //////

1.2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PEPCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0900-1100

IRECTION	1-3	4-6	7 -10	11-16	17-21		IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TCTAL	MEAN
DEGREES! I		7.0				_						3	WIND
١ ١			. 1							•••••	•••••	. 1	8 <b>.</b> D
NNE		. 1										. 1	4 . n
NE .	1.5	1.8	. 4	• 1								3.9	4 - 3
ENE !	1.6	8.7	3 . 3	- 1								13.8	5.4
E	5.1	20∙8	8.0	• 6	. 4							34.9	5.6
E S E	2.5	6.2	4.3	•6	• 5		• 1	•2				14.5	7 . 1
SE	.9	1 - 7	1.8	1 • 4	. 5	. 6	• 2					7.2	10.7
SSF	.5	• 1	• 6	• 8	• 6	. 5	. 4	- 1				3.9	16.1
s I	. 4	• ?	• 3	• 5	• 1		. 1					1.7	17•1
SSW		• 3	• 2									• 5	6.6
sw	.5	. 4										1.3	3.2
wsw	. 3	• R	. 1									1.2	4.5
u j	.5	1.1										1.6	3.8
WNW	• ?	• 1										.3	3.3
Nw		• 1										. 1	4.0
tinis 1													
VARIABLE	2.9	1.5	2	1	1	•••••	• • • • • • • • •		• • • • • • •		• • • • • • •	4.8	3.0
CALM	////////	,,,,,,,	,,,,,,,	11111111	///////	1111111	,,,,,,,,	//////	,,,,,,,	,,,,,,,,	,,,,,,,	10.5	/////
TOTALS	17.0	44.0	19.5	4.3	2.4	1.2	. 9	. 3				100.0	5.8

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86 MONTH: MAR HOURS(LST): 1200-1400

	• • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •			 TH #HOTS	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • •
IRECTION DEGREEST 1	1-5	4 - 6	7 -1 G	11-16	17-21	1D SPEED 22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	ME AN WIND
N (	.2	• 1	••••••		•••••	••••••	•••••	• • • • • • •			•••••••	. 3	3 <b>.</b> n
NNE			• 1	• 2								. 3	11.0
NE	. 8	2.0	. 8	• 1								3 . 7	5.0
F NE	3.1	7 - 1	1.1	• 2								11.5	4.4
E	7.B	17.2	4.5	• 5		• 1			• 1			30.3	5 • C
EZE	3.4	4.1	2 • 4	1.3	• 2	• 3	• 2	• 1				12.9	7.1
SE.	.6	1.8	1.7	1.5	1.7	• 6	• 2	• 1				8.4	12.2
SSE	.5	• 1	• 5	1.0	• 6	. 5	• 3	. 3				<b>4.</b> 0	16.5
s i	•2	•1		- 4	•2	. 3						1.3	14.4
SSW	. 4		• 1									•5	3.6
sw j	.6	• 3	• 1									1 • 1	3.8
wsw	.5	1.2	• 2									1.9	4.6
· į	.6	• 3	• 2	• 1								1 - 3	4.4
HNH	• 1	. 3	• 2	• 1								. A	6.1
NW	• 1											• 1	2.0
NNW	• ?	• 1										. 3	4.0
VARIABLE	3.2	1.4	. 4	• • • • • • •	•••••	• • • • • • • •	.1	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	5.2	4.3
CALM .	mmi	,,,,,,,	,,,,,,,,	1111111	1111111	(111111)	,,,,,,,,	//////	,,,,,,,	,,,,,,	,,,,,,,,	17.9	/////
TOTALS 1	22.7	36.2	12.4	5.5	2.8	1.9	. 9	.5	. 1			100.0	5.5

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

100.0

STATION NUMBER: 042023 STATION NAME: THULE AB GL PERIOD OF RECORD: Henth: MAR Hours(LST): 1500-1760 WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 DIRECTION | 41-47 48-55 GE 56 TETAL MEAN (DEGREES) NNE . 3 2.7 3.5 NE 1.9 • 3 . 1 4.4 1.2 5.9 12.2 ENE 4 - 1 1.3 -6 . 1 . 1 5 - 1 £ 7.0 17.2 4.9 . 5 . 3 . 2 30.2 5.3 12.6 ESE 4.2 4.7 1.9 . 6 . 4 . 4 - 1 . 1 6.7 SE 1 - 1 1.3 1.4 1.5 1.0 1.0 . 5 • 2 R . Ū 13.5 SSE • 2 . 4 . 4 .9 1.0 . 6 .5 . 2 4.3 17.8 5 . 4 . 3 9.9 SSW . 1 . 1 . 1 . 3 11.3 SW • 1 2.2 . 5 2.7 WSW 1 - 1 1.6 . 6 1.2 - 1 1.9 4.1 KNW . 2 . 2 4.0 NH • 2 . . 2.0 NNW 2.0 VARIABLE 2.0 1.6 . 6 4.5 CALM 17.8 ///// 

3.0

TOTAL NUMBER OF OBSERVATIONS: 930

TOTALS

GLOBAL CLIMATOLOGY BRANCH USAFETAC

### PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 18-0-2000 I WIND SPEED IN KNOTS DIPECTION 1 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN IDEGREES! | ż WIND N 3.0 NNE NE 1.7 2 - 8 . 3 • 2 5 - 1 4.6 ENE 1.5 8.3 3.0 . 3 13.2 5.4 Ł 7.5 18.1 8.9 1.6 . 3 . 2 36.7 5.8 3.7 . 9 . 8 ESE 1.6 4.6 . 3 11.9 R.0 • 1 . 9 SΕ 1.4 1.8 1.2 1.0 . 3 . 3 14.0 1 - 3 8.6 . 2 ٠, ٢ . 4 SSE • 3 1.1 . 8 . 8 . i 4.2 18.3 . 5 . 2 .2 12.9 S • 2 . 1 . 2 . 2 1.7 SSW . 3 • 2 . 1 . 1 . 8 5.0 SW • 3 - 1 . 4 3.n WSW ٠, • 6 . 2 1.6 4.7 • 2 1.1 . 7 1.5 5.0 . I . 1 . 2 3.0 2.0 NW • 1 . 1 NNU . 1 . 1 . 1 . 3 7.0 5.0 CALM . 10.8 ///// TOTALS 19.0 5 . 6 3.2 1.3 . 5 . 4 100.0 2.4 6.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRFCTION VERSUS WIND SPEED FROM HOURLY DRSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF PECORD: 77-86
MONTH: MAR HOURS(EST): 2100-2300

									MONTH:	MAH	HOURSILS	1): 2100-	2300
TOLOGREES)	1-3	4-6	7-10	11-16	w17 17-21	D SPEED 22-27	IN KNOTS 28-33		41-47	48-55	GE 56	TC TAL	ME AN WINU
N [	1	• • • • • • •	• • • • • • • • •	•••••		• • • • • • • •	•••••	•••••	• • • • • • •	• • • • • • •	••••••		3.0
KNE I	• ?											• 2	2.5
NF !	•6	2.6	• 1	. 1								3 . 4	4.7
ENE	2 • 3	8.0	3.9	.4		• t						14.6	5,7
E !	5.7	19.5	12.0	2.0	.4	• 1		.2				39.5	6.5
E S E	1.5	5.9	5.7	.5	. 1	- 3	• 3	. 1				14.5	7.6
S.F.	.9	1.8	. 9	1.5	. 8	1.0	. 1	• 2	• 2	• 2	2	7.5	14.8
SSE	• 1	. 4	.6	1 - 1	. 9	1.7	. 4	. 1				4.8	17.3
s	• 2	. 4	• 2	• 2	. 1	- 1						1.3	9.7
SSW	• 1	. 1										• 2	3.0
sw i	• 2	.?										. 4	3.8
wsw i	- 1	. 1										• ?	3.0
w	•7	.1	• 3									. 6	5.5
LNW .	• 1	• 1										• 7	3.5
NW		• 1										• 1	6.0
NNW 1		• 1										- t	5 • C
VARIABLE	1.6	1.9	6	•2	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • • •	4.4	4.7
CALM	,,,,,,,,	///////	,,,,,,,,	11111111	1111111	(111111)	,,,,,,,,	1111111	,,,,,,,	//////	,,,,,,,,	7.6	/////
TOTALS	13.4	41.4	24.4	6.1	2.3	2.8	. 9	. 5	. 7		?	100.0	7.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS.

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF RECORD: 17-21 22-27 28-33 34-40 TOTAL MEAN COEGREES) 1 WIND . . . . . . . . . . . . . . . . N .0 • 0 7.1 • 1 • 0 . 3 NNE . 1 . 1 • 0 • 0 .0 . 2 7.1 NE . 9 2.1 3.5 4.9 ENE 2.5 3.2 . 0 • Ü • 0 14.7 5.4 8.9 1.3 . 3 . 2 • 0 • D . 0 35.2 5.9 ESE 2.1 5.3 3.7 . 9 . 5 . 3 - 1 . 1 12.8 7.4 Sŧ . 9 1.8 1.7 1.6 1.1 . 8 • 2 ٠2 . 1 .0 8.3 13.2 SSE . 2 . 9 . 5 . 7 . 7 . . .6 . 1 4.0 17.3 s . 3 . 2 • 1 - 1 ٠, . 3 . 1 1.5 10.7 SSW . > . 1 . 1 . 0 • 0 5.7 . 2 SW . 4 • 0 . 0 . 6 3 . c. WSW .5 ٠, . 1 .0 4.2 . 5 . ۾ - 1 • 0 1.5 4.4 HNH • 2 . 2 • C • 0 4.1 NW . 1 . 2 3.8 . 1 • 1 ٠0 3.9 . 2 VARTABLE | 1.2 CALP 11.0 ///// 2.8 . 5 1.0 . ? • n 100.0 6.3

# PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OPSERVATIONS

STATION NUMBER	1: 042020	STATION	NAME:	THULE AL	G G L				PERIOD (		D: 77- HOURS(LS)		0500	
	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •		ND SPEED			• • • • • • •	• • • • • • • •			• • • • • • • • • • •	• • •
DIPECTION   (DEGREES)		4-6	7 -10	11-16		22-27			41-47	49-55	GE 56	TETAL	ME AN WINU	
N		. 1	•••••		• • • • • • •	•••••		• • • • • • • •	• • • • • • •	• • • • • • •		• 1	٠.0	•••
NNE	•1											. 1	2.0	
NE	1 • 3	1.8	. 4									3.6	4 • 1	
ENE	3.8	6.6	.6									10.0	4 • 1	
E	7.6	17.9	8.8	1.2	.7	• 3						36.4	5.9	
ESE	2.4	6.7	2.8	1 • 4	• 2	• 2		• 3	• 2			14.3	7 <b>.</b> a	
SE	. 9	1.2	2 . 3	1 • 7	1 - 1	• 8	.6	• 5				9.7	13.2	
SSE	• 5	. 4	.8	1.2		. 4	. 1	- 1				3 , 4	12.8	
5	• 1	• 2	. 4	1.3	.7	• 1						2.9	13.8	
SSW	•1	• ?	• 1									. 4	4.5	
SW	• 3		• 2									.6	4.6	
WSW	.4	-1	• 2									. A	3.0	
w	.7	. 7	- 1									1.4	3 <b>.</b> A	
WNW	 	. 3		• 1								. 4	6.0	
NW	•2											• 2	2.5	
กผล	•1	-1										• 2	3.0	
VARIABLE	1.3	1.0		• • • • • • • •			• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	•••••	2.4	3.5	• • •
CALM	111111111	11111111	,,,,,,,	,,,,,,,,	,,,,,,,	///////	///////	///////	,,,,,,,,	,,,,,,,,	,,,,,,,,	13.0	/////	
TOTALS	19.7	37.3	16.9	7.0	2.7	1.9	. 7	.7	•?			100.0	6.1	

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD:

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULF AB GL

MONTH: APR HOURS(LST): 0330-0500 WIND SPEED IN KNOTS
UIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 TCTAL 34-40 41-47 48-55 GE 56 MEAN IDEGREESI HIND 5.7 . 1 • 1 . 3 NNE - 1 • l . 2 5.0 ΝŁ 1.4 • 2 - 1 2.6 4.3 • 8 ENE • 2 4.2 6 • 2 . 9 . 1 11.7 4 . 4 5.3 Ł 7.7 . 3 20.6 6.7 1.0 . 1 36.3 ESE 2.7 6.0 3.4 1.6 . 3 . 4 14.4 7.3 . 9 SE 1.0 1.6 . 9 1.2 . 4 • 2 6.2 11.4 SSE . 2 . 2 1.0 1.3 . 9 . 9 .6 5.1 16.5 S . 1 . 3 . 9 • 2 • 2 1.9 13.2 554 • 2 • 1 . 1 **.** 6 . 1 . 2 5.0 . 1 • 2 . 3 4.2 . 6 . 2 ٠. 4.5 • 3 . 3 **NNW** • 2 . 2 4.5 NW . 2 • 1 . 3 3.3 NNW • 3 • l 2.5 .1 .2 5.3 VARIABLE 1.0 3.6 CALM 111111 14.6 TOTALS 20.7 2.1 . 8 100.0 5.8

PERCENTAGE FPEQUENCY OF OCCURRENCE OF SURFACE WIND DIPFCTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULF AR GL

PEPIOD OF RECORD: 77-86 MONTH: APR HOURS(LST): 0600-0800

J							IN KNOTS						
RECTION   EGREES)		4 – 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	ME AN WIND
N ]		. 1	** ** ** * * * * * * * * * * * * * * * *	•••••		• • • • • • • •		•••••			•••••	• 1	6.0
NNE !	• 1											• 1	2.0
NE I	1 • N	1.2	. 3		- 1							2.1	4.9
ENE !	5.9	6 • 1	1 • C	. 3	• 1							13.4	4.2
L !	10.5	17.C	3.7	• 1	.2	• 1	. 3					32.0	4.9
ESE	3.6	£.•4	2.4	. 9	• 6	. 3	. 3	• 1				14.7	7.2
SE	1.7	1.6	1.0	• 8	. 7	. 9	• 2					6 - 1	11•4
SSE	- 1	• 1	. 8	1.6	. 3	1 • 1	• 1					4 - 1	16.0
s (			• 3	• 2	• 2	. 1						. 9	1 *, • 1
ssw			- 1									- 1	7.0
Sw I	• ?											• ?	2.0
wsw i	- 1	. 5	• 2									. 7	5.3
w	. 4	. 9	. 1									1.4	4 • 1
UN6 .	•?	• ?										. 4	3.5
พะ	• 1	- 1										. 4	2.8
NNW	• 1											• 1	3.0
ARIABLE	2.3	1.2	.2	6			•••••	•••••		• • • • • • •	•••••	4.3	4.7
AL"	111111111	////////	/////////	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	//////	,,,,,,,	,,,,,,,	11111111	18.1	111111
OTALS	26.0	35.3	10.2	4.4	2.7	2.6	1.0	. 1				100.0	5.1

# PEPCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

PERIOD OF PECORD: 77-86

STATION NUMBER: 042023 STATION VAME: THULF AB GL

UIRECTION   1-5			-							HONTH:	APR	HOURSILS	11: 0900-	1100
Direction   1-3														
N			4 ~ b	-		17-21	22-27			41-47	48-55	GE 56		
NNE	N	1 .1		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • • • •	• • • • • • •		•••••• •?	4.0
NE       1.0       .2       .1       .2       1.6       4.9         CNE       7.0       2.7       .2       .4       .1       10.4       1.7         E       11.0       11.7       1.3       .6       .2       .1       24.9       4.1         ESE       2.6       3.6       1.0       1.1       .3       .6       .2       9.3       7.7         SE       1.2       1.3       1.1       .8       1.2       .8       .3       6.8       12.0         SSE       .2       .2       .8       .6       .6       1.1       .1       3.6       15.3         SSM       .3       .3       .1       .9       1.8       1.9       1.8       1.9       1.8       1.9       1.8       1.9       1.9       1.8       1.9 </td <td></td> <td>í</td> <td></td>		í												
ENE 7.0 2.7 .2 .4 .1 .10.4 3.7  E 11.0 11.7 1.3 .6 .2 .1 .24.9 4.1  ESE 2.6 3.6 1.0 1.1 .3 .6 .2 .0 9.3 7.7  SF 1.2 1.3 1.1 .8 1.2 .8 .3 6.8 12.0  SSE .2 .2 .8 .6 .6 .6 1.1 .1 .1 3.6 1.2 .8 .3  S .1 .7 .1 .9 14.2  SSN .3 .3 .1 .9 1.8 4.0  WS= 1.0 .7 .2 .1 .9 1.9 1.9 1.9 1.9 1.9 1.9 4.1  W 3.2 1.6 .2 .1 5.1 3.4  WMW .4 .7 .2 .1 .9 5.1 3.4  WMW .4 .7 .7 .1 .9 .1 .1 .1 4.1 3.4  WARIANLE 2.7 1.4 .1 .1 .1 4.3 1.3	441	, .1 											• 1	
E 11.0 11.7 1.3 .6 .2 .1 24.0 4.1  ESL 2.6 3.6 1.0 1.1 .3 .6 .2 9.3 7.7  SE 1.2 1.3 1.1 .8 1.2 .8 .3 6.8 12.0  SSF .2 .2 .8 .6 .6 .6 1.1 .1 3 5.6 15.3  S .1 .7 .1 .9 14.2  SSN .3 .3 .17 .1 .9 1.0 4.1  W 7.2 1.6 .2 .1 5.1 3.4  WNW .4 .7 .2 .1 .5 .1 5.1 3.4  WNW .4 .7 .1 .1 .1 5.1 5.1 3.4  WNW .7 .1 .1 .1 4.1 .1 4.3  VARIABLE 2.7 1.4 .1 .1 4.1	NE	1.0	• 2	- 1	• 2								1.6	4.9
ESE   2.6   3.6   1.0   1.1   3   3.6   .2   9.3   7.7    SE   1.2   1.3   1.1   .8   1.2   .8   .3   6.8   17.0    SSE   .7   .2   .8   .6   .6   1.1   .1   3.6   15.3    S   .1   .7   .1   .9   1.8   1.9    SSW   .3   .3   .1   .8   4.0    WSH   1.3   .7   .2   .1   .1   .1    WNN   .4   .7   .1   .9   .1   .1    WARIANLE   2.7   1.4   .1   .1   .1   .1    WARIANLE   2.7   1.4   .1   .1   .1   .1    WARIANLE   2.7   1.4   .1   .1   .1   .1   .1    WARIANLE   2.7   1.4   .1   .1   .1   .1   .1   .1    WARIANLE   2.7   1.4   .1   .1   .1   .1   .1   .1   .	ENE	7.0	2.7	• 2	. 4		. 1						10.4	7.7
SE   1-2   1-3   1-1   -8   1-2   -8   -5   6-8   12-0    SSE   -2   -2   -8   -6   -6   1-1   -1   3-6   15-3    S   -1   -7   -1   -9   1-8   14-2    SSM   -3   -3   -7   5-3    SM   1-3   -7   -2   -1   1-9   4-1    WNM   -4   -7   -8   3-1    NNM   -2   -1   -1   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1    VARIABLE   2-7   1-4   -1    V	£	11.0	11.7	1.3	.6	• 2	• 1						24.9	4.1
SSE	ESE	2.6	3.6	1.0	1.1	. 3	. 6	• 2					9.5	7.7
S   .1 .7 .1 .9   1.8 14.2   SSW   .3   .7 5.3   SW   .3 .3   .1   .8 4.0   MSH   1.0 .7 .2   1.9 4.1   MNW   .4 .7   .8 3.1   .8 4.0   MNW   .7   .1   .1   .1   .1   .1   .1   .1	SE	1.2	1.3	1.1	. 8	1.2	. 8	. 3					6 . R	12.0
SSW 3 .3 .1 .8 4.0  WSW 1.3 .3 .1 .8 4.0  WSW 1.3 .2 1.6 .2 .1 .5.1 3.4  WNN 1 .4 .7 .8 3.1  NW .2 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	SSE	.2	• 2	. 8	•6	• 6	1 • 1	- 1					3.6	15 • 3
SH	S	;	. 1	. 7	.1	.9							1.8	14+2
WS#   1.0 .7 .2   1.0 .7 .2   1.0 .4.1   5.1 3.4   WNW   .4 .7   .8 3.1   .8 3.1   .8 4.0   NNW   .7   .1   .1   .1   .1   .1   .1   .1	5 S W	}	. 3										• *	5 + 3
WAN	SH	.3	. 3	. 1									• 4	4.0
WAN	W S in	1.3	• 7	• 2									1.9	4.1
NNW   .7 .1 .1 4.0  NNW   .7 1.4 .1 .1 4.3 1.3  CALK   ///////////////////////////////////	¥	3.2	1.6	• 2	• 1								5.1	3 • 4
NNW	WWW	. 4	. 7										٠.۴	3.1
VARIAHLE   2.7 1.4 .1 .1	NW			• 1									. 3	4.0
CALK \$////////////////////////////////////	NNW	i !												
1	VARIABLE	2.7	1.4	1		•••••	• • • • • • •		•••••	• • • • • • • •	•••••	• • • • • • • •	4.3	٠
101015 1 31 1 204 4.0 1/2 3.2 2.7 .7	CALM		,,,,,,,	1111111		1111111	1111111	,,,,,,,,	//////	,,,,,,,,	11/1/1/	,,,,,,,,	27.A	111111
10000 10	TOTALS	31.1	24.6	6.0	4.3	3.2	2.1	, 7					100.0	4.3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF RECORD: MONTH: APR HO HOURS(LST): 1200-1400 NIND SPEED IN KNOTS
DIRECTION 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 MEAN 41-47 45-55 GE 56 IDEGR: EST 1 WIND N . 1 4.C NNE . 2 NF. . 1 . 7 5.2 ENE 4.1 3.0 ٤ 7.0 4.6 . 9 . 2 . 4 . 1 13.2 4.3 ESE . 9 2.2 . 4 . 1 7.3 9.C S.E. 1.1 . 7 . 9 1.1 . 7 . 8 . 2 5.4 12.4 558 . 3 . 7 1.4 1.1 . A 4.7 14.3 5 1.0 . 5 . 6 . 3 . 1 2.6 SSW . 4 SW 1 - 1 . 2 1 . 3 3.1 . 7 2.5 . • 8 . 1 3.5 ENW . 6 . 3 1 - 1 3.6 . 7 . i . A 3.7 NNW • 3 . 3 . 7 3.0 39.4 ///// TOTALS 5 - 1 3.2 . 3 100.0 3 . R

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

NNE	- 1									• 1	1.0
148	.1			- 1						• 2	e • 3
E.N.E.	1.9	. 9	• 1							2.9	7.4.
Ē	6.1	4 • 4	1.1	1.2	• 3					13.2	4.0
ESE	1.7	2.0	. 8	• 9	• 9	. 6	• 1	- 2		7 - 1	10.7
SE	.9	• 8	1.0	1 • 0	• 6	1 • 2	• 2	• 1		5 . A	15.6
SSF	.3	1.0	• 6	1 - 4	. 7	. 4				4.4	10.0
s	-1	. 4	. 4	1.3	. A					5 - 1	10.9
5 S W	.6	• 2		• 2						1.3	1.
SW	1.7	• 7	. 3							2.2	4.1
WSW	3.1	• 9								4.5	2.7
¥	6.8	2.7	• 2							9.7	·•n
มกม	1.6	1.2								3.1	4.0
NE	.7	. 3	• 1							1.1	۲.6
NNW		- 1								• *	3.n
VARIABLE	2.7				•••••		• • • • • • • •	•••••		7.7	2.4
CALM	.,,,,,,,	////////	(1/1///	,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	///////	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3R.2	111111
FOTALS	28.1	16.3	5.0	6.2	3.2	2 • 7	. 3	. 1		100.0	u + ()

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86 STATION NUMBER: 042020 STATION NAME: THULF AB GL MONTH: APR HOURS(LST): 1800-2000 I WIND SPEED IN KNOTS 11-16 TETAL MEAN DIRECTION I 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 WIND 1 IDEGREES! 1 . . . . . . . . . . . . . . . 6.0 N • 1 • 1 4.0 NNE . 1 . 1 • 3 1.3 3.9 NE .9 . 1 ENE 3 . R 2.9 6 . B 3 . 3 Ł 9.0 19.7 4 . 3 4.4 1.8 . 7 8.9 ESE 2 - 3 2.2 . 2 7.7 10.5 SE 1 • 4 1.4 1.0 • 6 . 6 . ? 4.9 12.7 . 9 . 7 . 7 . 3 . 7 1.1 • 6 SSE . 9 . 9 . 8 3.2 11.9 5 • 2 2.3 . 3 SSW • 2 . 1 SW . 4 .6 • 3 1.3 4.5 3.9 .? . 3 1.7 6.9 3.5 1.6 . 7 3.1 . 8 . 2 3.3 NW .6 4.5 . 1 . ì NNW • 2 3.0 27.9 ///// CALM 100.0 TOTALS 5.6 2.1 . 6 . 2 4.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOU OF RECORD: 77-86 MONTH: APR HOURS(LST): 2100-2300 WIND SPEED IN KNOTS 11-16 17-21 22-27 28-33 34-40 DIPECTION 41-47 48-55 GF 56 TOTAL IDEGREES) 1 t HIND N . 7 5.0 NNE Νŧ .6 . 3 1.2 5.0 ENE 4.7 7.1 . 7 12.1 4.2 ٤ 31.2 4 . A €S€ € • □ . 9 . 1 - 1 . 3 . 3 14.6 8.3 SE 2.2 . 9 . B 2.5 7.2 . 9 . 3 . 1 11.7 9.8 SSF . 2 . 3 . 9 1.0 . 3 . 6 . 3 3.7 14.4 s . 4 . 3 . 1 . 8 . 9 2.6 11.9 SSW • 1 . 1 . 2 . 4 9.8 SW • 3 . 3 - 1 . 9 ٩.0 . 4 • 6 1.0 3.3 1.7 4.3 ENG . 1 . 3 4.7 . 2 4.5 • 2 . 2 3.0 CALM 15.9 ///// 5.7 3.1 1.7 . 8 . 3 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OPSERVATIONS

STATION NUMBER	1: 042020	STATION							PERIOD (	OF RECORE	): 77- HOURS (LS1		L
	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • •			D SPEED			• • • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •
DIRECTION (DEGREES)		4 - 6	7 -10	11-16					41-47	48-55	GE 56	TETAL	MIND WE WN
N	.0	. 1	.0	• • • • • • • • •		• • • • • • • •	•••••	• • • • • • •		• • • • • • •	• • • • • • •	. 2	4 - 8
NNE	• 1	٠.0	• 0									. 1	4.4
NE I	• 9	• 6	• 2	• 1	•0							1.7	4.5
ENE	4.2	4.1	.5	• 2	•0	• n						9.0	4 • 0
٤	Я. ў	12.9	3.5	• 6	. 3	. 1	• 0					25.9	4.9
ESE	2.6	4.6	2.0	1.2	.5	. 4	- 1	• 7	• 1	.0		11.7	B • 1
SE	1.0	1.4	1.5	1.2	• 8	. A	. 3	• 1				7.1	12.0
SSE	. 3	. 4	. A	1.2	• 6	. 1	.?	• 0				4.2	14.3
s	• 2	• 2	• "	٠٩	.6	. 1						2.3	12.8
SSW 1	. 2	. 1	. 1	•1								•5	5 • 3
S H	.5	۶.	• 1	• "								• •	4.0
WSW	1 • 7	• 5	. 1									1 • A	3.2
	2.1	1.5	. '	• •		."						4.6	3.5
นพพ	• 6	• 5	• 1	• 11	11.							1.2	3.8
NW	• 3	• ?	• 6		,//	<b>)</b> )						• 5	3.5
tinu i	• 2	- 1	• (*									. 3	3 • 2
VARJABLE J	2.3	. ?	•••••	• • • • • • • • • • • • • • • • • • • •	•n	••••••	• • • • • • •	• • • • • •	• • • • • • •		• • • • • • •	3.6	3.8
CALM	,,,,,,,,,	////////	//////	,,,,,,,,,	,,,,,,,	(////////	,,,,,,,,	////////	1//////	///////	,,,,,,,,	24.4	111111
TCTALS	25.7	28.5	9.8	5.6	? . A	2.2	.6	. 3	• 1	• 0		130.0	4.9

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIFFCTION VERSUS WIND SPEED FROM HOURLY DBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: MIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 20 77 20 77 20 77 11-16 17-21 22-27 28-33 34-40 (DEGREES) ı WIND 4.0 . i NNE . 3 . : 2.0 . 9 . 4 1.3 3.4 NE ENE 3.4 2.9 . 1 . 1 6.6 3.5 3.3 . 7 E 7.0 10.1 . 2 • 1 21.6 5.1 6.5 ESE 2.0 3.2 . 9 .2 • 2 . 3 13.3 7.0 SE • 5 1.6 2.5 1.7 . 4 • 2 7.0 9.2 SSE • 5 . 9 . 5 3.2 10.9 S . 5 . 4 2.4 7.4 . 1 2.6 1.0 5 W 2.5 1.9 • 5 2.6 WSW 3.2 . 3 6.3 3.6 ÷-8 1.5 . ρ 2.4 WNW 2.9 NW .5 . 1 2.5 NAW VARIABLE [ 1.8 . 6 • 1 2.6 3.5 27.4 ///// CALM TOTALS 1.5 . 4 . 1 100.0

TOTAL NUMBER OF OBSERVATIONS: 930

0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

# IND SPEED IN KNOTS

11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL ..... DIRECTION 1 - 3 (DEGREES) | N . 2 NNE • 3 ٠1 • 1 . 1 6.7 . 6 NE 1 - 1 ٠, • 2 2.3 4.2 ENE • 2 6.0 4.1 Ε 12.9 2.P . l 25.2 4.8 ESE . 1 5 • 5 . 9 . 3 . 2 12.2 6.8 SE 1.8 2.9 . 6 .6 . 3 • 2 ٠2 6.5 9.4 SSE 1.2 - 3 • 5 1.3 • 2 • 2 3 . A 10.7 s • 2 . 4 . 2 . 8 1.6 8.6 . 3 SSW . 2 • 1 . 6 4 • 2 . 5 5 W . 3 • I 1.0 7.4 W 5 W . 9 3.4 3.7 3.7 HNH 1.0 1.4 2.8 . 3 - 1 . 4 2.5 NNW . 2 • 2 . 4 3.5 3.3 28.7 ///// 1.1 . 8 . 5 100.0 4.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 06J0-0800

1		• • • • • • •		• • • • • • • •	WI	NO SPEED	IN KNOTS		• • • • • • • •	•••••	•••••	• • • • • • • • •	
DIRECTION     OEGREESI		4 - 6	7 -10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	ME AN WIND
N .	.2	• • • • • • •	••••••	•••••	• • • • • • •	• • • • • • • •			•••••	••••••		•2	2.0
NNE [	.3	• 1										. 4	3.0
NE	1 - 4	. 3	. 3	. 1		• 1						7.3	5 • 0
ENE	1.9	1.4	. 9		• 1							4 . 3	4.6
E	7.0	7.5	1.4	.6	•1	• ì	. 3					17.5	4.9
ESE	1.8	5.2	. 9	1.2	. 3	- 3						9.7	6.9
SE	1.6	2.6	2 • 3	1.4	• 3							8 • 2	7.4
322	•2	. 9	.9	1.3	• 6	. 4	. 1					4.4	12.5
s	.6	• 8	• 3	.8		- 1				•		2.6	7 . A
ssw	• 3	. 1										. 4	2 - 3
SW I	.5	• 5	.7									1.3	4 . 2
wsw	2.7	• 6										2.8	2.9
w	5.8	2 . A	. 5									9.1	3.3
WNW	1.0	1.C										1.9	3+5
NW	.6	.4										1.1	3.3
NNW	.4	•2										.6	3.n
VARIABLE	3.3	1.4	•••••	.1	•••••	• • • • • • •	• • • • • • • •	• • • • • •		•••••	•••••	4.A	3.1
CALM	   <i>         </i>	///////	11/1///	1111111	,,,,,,,,	,,,,,,,	///////	//////	,,,,,,,,	,,,,,,,	,,,,,,,	28.3	/////
TOTALS	l ! 29.8	25.9	7.6	5.5	1.5	7.1	. 4					130.0	3.9

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86 MONTH: MAY HOURS(LST): 0900-1100 HIND SPEED IN KNOTS OTRECTION I 17-21 22-27 28-33 34-40 (DEGPEES) 1 MIND N . 1 . 1 3.0 NNE • 1 . 3 . 4 3.5 NE . 3 . 2 • 1 . 6 8.3 ENE . 6 . 4 . 2 ٠, ۲ 1.6 8.1 Ł 3.7 9.9 6.9 ESE 1.2 1 - 3 • 2 . 4 . 1 5.6 9.3 SΕ . 8 1.4 1.7 . 8 . 3 2.4 7.3 10.4 SSE 1.1 . 9 10.4 1.4 • 3 4.4 S . 4 . 6 . 2 1.3 7.8 SSW . 3 . 2 . 1 . 6 4.0 1.5 SW . 4 1.9 2.3 w S w 2.7 1.1 . 1 . 1 4.0 3.1 12.8 7 • 3 . 5 23.6 3.2 WNW 4 - 1 3.2 NW . 5 1.3 3.6 . 4 • 2 . 2 . 9 4.1 VARIABLE CALM 32.2 ////// 100.0 2 • 0 • 1 4.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAL PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

STATION NUMPER:	042020	STATION	NAME:	THULF A	i GL				PERIOC MONTH:	OF RECORD	-86  ): 1200-1	1400
DIRECTION   (DEGREES)	1-3	4~6	7-10		41	ND SPEED 22-27	IN KNOTS			48-55	TOTAL	MEAN WIND
N	• 1	•2	•••••	•••••	•••••	• • • • • • • •		•••••		•••••	 . 3	4.3
NNE	. 1										• 1	7 • 0
NE	. 4	• ?			• 1	l					. 8	5.3
ENE	.5	• 1	. 4								1.1	4.9
٤	1.8	1.3	1.6	1.7	. 5	. 1					7.1	P . 4
ESE	. 4	.5	. 9	1 • 2	1.3	. 4	. 1				4.8	13.5
SE	.5	1.1	1.3	1.6	. 9	. 5	. 1				5.7	11-1
SSE	. 6	• 2	1.2	1.0	• 5	5					3.5	10.5
s	• 3	. 4	1.0	•6	• 8	!					2.6	9.1
SSW	• 3	.4		• 2							1.0	5.7
SH	1.0	• 5	- 1								1.6	3 - 4
wsw	5.4	1.3									6.7	2.5
w	15.4	16.9	1.8								28.0	3.5
HNW	3 • R	4.3	. 9								Я.9	3.9
NW	.6	• 8	. 3								1.7	4.2
NNW (	- 3	• 2									.5	3.4
VARIABLE   		1.0	  						······		 2.9	3.4
TOTALS	33.4	23.3	9.7	6.3	3.		. ?				 100.0	4.4

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER									HONTH:		HOURSILS	-86 Ti: 1500-	1700
	!			• • • • • • • •		D SPEED			• • • • • • • •		•••••	• • • • • • • •	
DIRECTION ( (DEGREES) (		4 - ÷	7 -10		17-21	-			41-47		GE 56	TCTAL	MEAN WIND
N	. 3	. 1				• • • • • • • •	•••••	• • • • • •	• • • • • • • •			. 4	2.8
NHE		• 2										• 2	6.0
NE	•2	. 3		- 1								• 6	4 . 8
ENE	.4		• 1	.1			. 1					. 8	8.4
E	1.6	1.5	1 - 3	. 8	. 1	. 3						5 • 6	7.4
e s e	• 2	. 5	. 5	1.7	1.1	. 1						4.2	12.4
SE	.5	• 2	1.6	2.7	. 3							5.4	11.0
SSE	• 3	.6	. 4	2.2	.5	. *						4.9	12.0
s	1.0	. 4	.6	.5	. 3							2.9	7.7
SSW	•1											.1	2.0
SW	1 - 5	.6	• 1	• 2								2 • 3	3.9
WSW	5.4	1.5	. 3									7.2	2.9
₩	16.7	12.3	1.9	. 1								31.0	3.7
WNW	4.8	3.9	. 9									9.6	3.7
NW	.9	1.2										2.0	3.6
NNW	-1	• 9	. 1									1.1	4.6
VARIABLE	1.0		••••••	1	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	•••••	1.3	3.4
CALM	,,,,,,,,,	////////	////////	11111111	1111111	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	///////	((((()		((((())	11111111	20.5	111111
TOTALS	34.8	24.5	8.4	8.5	2 • 4	. A	. 1					100.0	4.4

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD:

STATION NUMBER: 042020 STATION NAME: THULE AB GL

11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 MIND (DEGREES) N 3.3 . 3 - 1 NNE . 1 . 2 . 3 4.0 · . C NE . 1 . 1 ENE . 5 • 6 . 3 . 1 . 1 1.7 7.6 £ 3.3 2.9 . 8 1.2 • 3 8.5 5.9 ESE 1.5 1.3 . 9 1.2 . 5 . 1 . 1 5.6 8.7 SE .5 1.0 1.5 2.0 . 4 . 2 5.9 . 1 . 1 11.2 . 1 . 2 SSE . 6 . 3 1.5 1.5 . 1 11.0 1.0 s • 2 1.1 10.1 . 1 • 3 . 5 6.4 5 S ₩ . 1 . R . 5 1.4 3.3 SW . 1 3.9 . 2 4.8 WSW • 8 2.6 14.4 8.6 2.2 25.2 3.5 3.7 KNW 3.7 2.9 . 3 6.9 NW 1.1 . 4 2.7 4.0 • 2 . 1 VARIABLE | 3.7 CALM 26.9 ////// . 6 • 1

GEOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: STATION NUMBER: 042020 STATION NAME: THULE AB GL MONTH: MAY HOURS(LST): 2100-2300 WIND SPEED IN KNOTS DIRECTION | 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL 7 -10 MEAN MIND (DEGREES) | 4.5 • 2 . 1 • 1 NNE . 3 .5 • 2 3.6 2.7 . 5 • 1 .6 NE 1.5 2.6 ENE 1.9 . 1 4.3 £ 1.1 . 1 14.3 5,4 5.5 6.2 1.0 . 4 ESE 4.6 . 9 • 3 . 1 . l 9.8 7.0 SE . 3 9.9 . 8 1.0 2.3 . 1 SSE 4.3 9.0 . 2 1.0 • 2 . 3 . 1 1.8 8.0 5 . 1 . 6 .6 . 3 4.7 SSW • 2 . 1 SW . 1 1.5 3.1 1.1 . 4 4.4 2.9 WSW 2.9 1.5 7.7 4.D • 1 12.7 3.4 UNW 1.3 4.5 2.7 1.4 2.5 1 . 7 HNW . 6 3.2 VARIABLE | 1.9 3.9 30.5 ///// 100.0 23.7 6.2 . 1

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER	R: 042023								PERIOD MONTH:	OF RECOR	D: 17 HOURS(LS	-86 T1: AL	L
• • • • • • • • • • • • • • • • • • • •		• • • • • • • •	•••••	• • • • • • • •		D SPEED			• • • • • • •	• • • • • • • •	•••••	• • • • • • • • •	• • • • • • • • • • •
DIFECTION (DEGREES)		4 – 6	7 -10	11-16	17-21				41-47	4 A -55	GE 56	TOTAL	ME AN W I N D
N	.2	•1	.0	•••••		• • • • • • • •		•••••	• • • • • • •		•••••	• 3	3.4
NNE	• 2	• 2	• 0		• 0							. 4	4.1
NE	.5	. 3	• 1	• 0	• 0	• 0						1 • 1	4.6
ENF	1.4	1.2	. 3	• 1	•0	- 1	• 0					3 • 1	4.7
£	4.9	5 • 6	1 • 7	1 • 1	• 2	• 1	- 1					13.7	5.6
ESE	1.4	3.2	1.6	1 • 1	.5	• 2	- 1	• 1				5 • 1	8.1
SE	.7	1.3	2.0	1.9	. 4	• 2	• 1	•0				6.7	9.8
SSE	.4	.6	1 • 2	1 - 3	. 4	. 7	• 0					4.1	10.9
s	.4	• 5		.6	• 1	• D						2.2	P.3
SSW	.3	• 1	• 1	•0								.5	4.4
SW	1.0	.5	. 1	• 7								1.5	1 • 3
WSW	3.1	1.0	• 1		• 0							4.2	2.8
-	9.7	6.3	1.0	• 0								17.1	3.5
WNW	2.7	2.0	. 3									5.0	3.5
fa M	.8	• 6	• 1									1.4	5.5
NNW	.4	• 3	• 1									. P	3.7
VARIABLE	1.3				c	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••	2.7	3.7
CALM	1//////////////////////////////////////	,,,,,,,,	11111111	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	//////	,,,,,,,	,,,,,,,,	,,,,,,,,	21.2	/////
FOTALS	   29.9 	24.4	9.4	6 • 7	1.7	. 8	. 3	• 1				100.0	4.1

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(EST): 0000-0200 STATION NUMBER: 642623 STATION NAME: THULE AB GL

		• • • • • • •	••••••	• • • • • • • •	•••••••••••••••••••••••••••••••••••••	ND SPEED	IN KNOTS	• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	•••••	•••••
DIRECTION (OEGREES)		4-6	7 -10	11-16	17-21	22-27	28-33	3 4 - 4 O	41-47	48-55	GE 56	TCTAL 3	ME AN WIND
N	· · · · · · · · · · · · · · · · · · ·	• • • • • • •	. 1	• • • • • • • •	•••••	• • • • • • • •		•••••	•••••	• • • • • • •	• • • • • • • •	.1	F.O
NNE	- 1	. 3	• 2	• 1								٠,٥	6.4
NE		. 3	• 2	• ì		• I						۰, ۶	10.0
ENE	.7	• 3	• 2									1 • 2	4.5
£	1.3	. 9	1.3	. 3		. 1						4.0	6.5
ESE	• 3	• 7	1.1	1 • 2	.6		• 2					4 • 1	11.2
SE	• 3	• 2	1.2	1 • 3	• B	. 4						4 • 3	13+1
SSE			1.3	1.3	. 7	• 1						7.4	13.2
S	.3	• 2	• 6	1 - 1	• 6	• 2						3.9	12.4
SSW	• 1											• 1	1 • 0
SW	.6											. 6	1.8
WSW	2.1	i - 1	. 3									3.6	3.5
₩	13.4	6.4	5 • 0	• 2								22.1	3.5
LNW	5.2	1.7	. 1									7.0	2.7
NW	1.2	. 4										1 • 7	2.7
NNW	.5	•2										٩.	2.9
VARIABLE	1.6	1.0	•••••		•••••		• • • • • • • • • • • • • • • • • • • •		•••••	• • • • • • •	• • • • • • • •	7.7	3.5
CAL"	111111111	,,,,,,,	11111111	,,,,,,,	,,,,,,,	,,,,,,,,	11111111	1111111	,,,,,,,	,,,,,,,	,,,,,,,	39.A	111111
TOTALS	27.7	13.9	9.8	5.9		1.0					•••••	100.0	3.6

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: MONTH: JUN HOURS (LST): 0300-0500 I WIND SPEED IN KNOTS DIRECTION 1 - 3 4-6 7 -10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 MEAN (DEGREES) 1 ₩ IND 4.2 . 1 NNE . 1 . 1 4.0 NE . 2 • 2 . 4 . 3 1.2 6.4 : ENL .6 . 6 . 2 • 1 . 1 1.6 6.3 ٤. 1.2 2.5 1.0 • 1 1.8 4.7 5 . Q ESE . 9 . 7 . 9 . 8 . 3 я., SE . 1 12.8 . 1 5.3 SSE 4.1 12.9 5 10.9 2.5 SSW 3.0 - 1 . 3 1.0 3.0 2.3 . 7 . 3 3.2 3.3 12.4 5.1 1 . C . 1 19.7 3.1 1.6 5.0 2.6 NW . 4 1.3 2.8 NNW . 3 • 2 3.6 2.9 CALM 39.4 TOTALS 8.0 6.0 2.7 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER	R: 042023	NOITATE	NAME:	THULE AB	GL				PEPIOD MONTH:	OF PECOR	D: 77- HOURS(LS1		08 00	
DIRECTION   OEGREES)		4 – 6	7 -10	11-16			IN KNOTS 28-33		41-47	48-55	GE 56	TCTAL \$	ME AN WIND	•
N	. 3	. 1	. 1	• • • • • • • •		•••••		• • • • • • • •		• • • • • • •	• • • • • • • •	6	3.8	•
NNF	• 1	.7										. 3	3.7	
NE	•2	• 1	. 2									• 5	4.8	
E, N.E.	.7	• 6	. 1	• 1	• 2							1.7	6.4	
£	1.3	1.0	. 9	.6	• ?							4.0	7.1	
FSF 1	- 1	• 1	. 9	1.2	.4	• 1	• 1					3.0	13.3	
SE	• 1	. 7	. 7	.9	. 6	. 4		. 1				3.4	13.5	
SSE		. 7	1.2	1.6	1.0	• 2						4.7	12.8	
s	. 3	. 3	1.1	. 9	. 4	• 1						3.2	10.8	
SSW		. ?										. 3	6.0	
S W .	. 7	. 4	. 1									1.2	3.5	
wsw ·	3.7	1 - 3	• 3									5.3	3.3	
w	18.3	10.1	1.6									3 D . C	3.3	
שאש	4.2	3.2	• 2									7.7	3.5	
NH I	. 7	• 5	• 1									1.3	3.8	
NNW ]	. 7	• 3										1.0	3.0	
1	•••••		•••••											
VARIABLE		1.7										3.2	3. c	
I							(/////////			////////	///////			
10 FA L S	3 % - 0	21.4	7.6	5.2	2.9	. •	• 1	.1				100.0	3.0	
€#↓Ч   	31.0		7.6	5.2	2.9		• 1						3.0	

AL SUMPLE OF OPSERVATIONS: 900

GLOSAL CLIMATOLOGY BRANCH AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY ORSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF NECORD: 77-A5 Month: Jun Hours(EST): 6900-1160 WIND SPEED IN KNOTS 1 - 3 11-16 17-21 22-27 28-33 34-40 TUTAL DIPECTION ! 4]-47 48-55 MEAN 7-10 GE 56 WIND (DEGREES) | N - 1 . 1 . 2 3.0 NNE • 1 . 1 . ? .6 5.4 . t NE . 1 . 1 4.C ENE • 1 • 2 4 . B ε 10.7 ESE . 6 1.4 13.5 SE . 4 1.8 1 - 1 • 3 • 2 • 1 . 3 15.1 SSE . 1 1.0 2.0 . 6 . 3 . 1 4.2 13.7 . 1 s 1.3 . 7 3.7 12.5 . 4 1.1 . 1 554 . 2 9.5 . 1 . 1 . 3 2.7 5₩ . 3 5.9 7.4 2.7 พรพ 1.3 . 2 21.0 . 2 42.3 3.7 MILE 5.0 . 7 . l 10.2 3.9 . 7 1.4 . 1 NNW . 8 . 2 1.0 3.0 VARIABLE CALM 13.9 ///// INTALS 100.0 3.3 . 3

GEORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PEPIOL OF RECORD: 77-86
MONTH: JUL. HOURS (LST): 1200-1400

WIND SPEED IN KNOIS
DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-37 70 77 IDEGREES) 1 1 WIND ....... 10.0 NNE . 3 . 1 . 6 12.4 . 3 6.7 ENE . 3 . 7 . 3 1.3 7.7 . 2 . 3 Ε • 2 1.6 12.8 . A . 7 1.1 1.2 4.2 13.8 ESE . 3 • 1 SE . 3 1.1 1.4 1.0 . 7 4 . R 13.7 • 2 . 3 551 .2 1.2 1.9 . 6 4.2 13.6 S . 4 2.4 . 4 . 3 4 - 3 • 1 . 6 13.6 5 S W SW . 3 2.0 1.3 . 1 6.6 2.9 16.8 24.8 4.2 • 1 45.9 4.1 2.9 8.1 1.0 4.4 1.0 2.3 3.4 NW 1 - 3 2.0 NAW . 1 . 1 CALM 7.9 ///// 9.9 9.7 3.2 2.0 100.0 5.7 TOTALS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1500-1700

		• • • • • • •	••••••			ND SPEED	IN KNOTS	•••••	• • • • • • • • • • • • • • • • • • • •			• • • • • • • • •	
DIRECTION (DEGREES)		4-6	7 -10	11-16		22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN Wind
N		•2	.1	•2		• • • • • • •	• • • • • • • •		• • • • • • •	• • • • • • • •	• • • • • • •	•6	9.8
NNE		• 2	. 1	. 1								. 4	7.5
NE	<u> </u>	. 1	• ?									. 3	8.0
ENE	•1	. 1	• 2									. 4	5.5
E	• 2	.1	• 1	1.6	•?	• 1						2 • 3	13.1
ESE		• 3	. 7	1.2	1.2	. 6						4.0	15.3
SE	•?	• 3	1.1	1.1	. 8	. 9						4.4	14.6
SSE		. 3	.6	2.6	1.0		. 1					4.6	13.8
S		. 4	1.1	2.0	. 9	• 2						4.7	13.0
5 S W	•2		• 3									.6	6.6
SW	•2	• 2	. 1									.6	5 • 0
พรพ	4.9	1.0	- 1									5.9	2 • A
₩	14.0	24.2	5 . 8	• 3								44.3	4.5
WNW	4.4	8.0	1 - 3							- 1		13.9	4.6
NW	. B	• ?	• 2									1.2	4 • 3
иии	•1	. 4		• 2								. A	7.1
VARIABLE.	1.7	1.6			•••••		• • • • • • • •	• • • • • • •	• • • • • • •			3.8	4.3
	1////////									,,,,,,,,	,,,,,,,,,		/////
TOTALS	26.8		12.3										
IOIALS	1 26.*	38.1	12.3	9.4	4 • 1	1.8	. 1			. 1		100.0	6.1
	• • • • • • • • • • •	• • • • • • •	••••••		•••••	• • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	•••••

GLOBAL CLIMATOLOGY RRANCH USAFLTAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PETIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1800-2000 STATION NUMBER: 042020 STATION NAME: THULE AB GL

į	_					ND SPEED							
DIRECTION ! (DEGREES)	1-3	4 - 6	7-10	11-16	17-21	22-77	28-33	34-40	41-47	48-55	GE 56	T(TAL 2	ME AN WIND
N I	. 1	.2	. 2	•1		• • • • • • •		• • • • • • • •				.7	6.3
NNE !			. 1									. 1	10.0
NE I		•2								•		.2	5 • C
ENE			• 2	.1								• 3	۶.7
E		. 7	1.3	1.1	. 1	. 1						3.3	10.4
E S E		• 1	1 • G	1.1	.9	. 1						3.2	13.5
SE I		. 3	. 7	.6	1.9	. 3						3 . P	15.2
SSF		• 1	1.2	1.3	2 • 0	. 6						5.2	15.5
s		. 3	. 7	1.6	. 8	• 1						3.4	13.5
SSH		• 1	• 1									• 2	6.5
SW	.6	.9										1.4	4 • 1
wsw	3.8	1.4	• 1									5.3	3 • 1
• ]	17.2	21.4	4.7	• 2	. 1							43.7	4.2
พทพ	4.6	6.2	1 • 3									12.1	4.1
NW	.6	1.2	• 2									2.0	4.7
NNW	•1	1.0	. 1									1.7	5.0
VARIABLE			4				• • • • • • •				• • • • • •	2.0	4.7
CALM .	,,,,,,,,,	,,,,,,,	1111111	,,,,,,,,	//////	,,,,,,,,,	///////	,,,,,,,	,,,,,,,	///////	,,,,,,,	11.7	111111
TOTALS	27.7	35.1	12.4	6.1	5.8	1.2						100.0	5.6

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PEPIOD OF RECORD: 77-86

MONTH: JUN HOURS(LST): 2100-2300

INVENTOR OF THE PROPERTY OF THE PRO

DIRECTION (DEGREES)		4-6	7 -10	11-16		22-27		34-40	41-47	48-55	GE 56	TOTAL	ME AN W I N U
N	.1	.2	•2	••••••	******	•••••	••••••	• • • • • • •	••••••	••••••	• • • • • • •	.6	6.0
NNF					• 1							. 1	10.0
NF	•1	• 2	. 3									. 7	5.7
E NE	• 3	• 6	• 1									1.0	4.9
Ĺ	.2	. 7	1.0	1.0	• 2							3.1	9 • 3
EZE		• 6	1.3	1-1	• 2	• 2						3 . 4	11.5
3.6	-1	•?	. 7	1.2	.6	. 7	. 1					3.6	15.4
SSE	; ;	. 4	1.2	2 • 1	1.0	. 4						5.2	14.0
S	.4	. 4	1.0	. 8	1.2	• 1						4.0	17.1
SSW			• 2	• 1								. 3	10.3
SW	.6	• 2										. A	3.3
WSW	3+1	. 7	. 3									4 • 1	2.9
w	19.1	12.7	3.2									34.6	3.7
HNR	,   5.0	3.6										8.6	3.3
NW	1.6	- 8	• 3									2.7	3.5
NNW	.4	.4										. 9	3.3
VARIABLE	1.1		1	• • • • • • • •	••••••	•••••	•••••	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	1.9	3.5
CALM	   <i>                                  </i>	,,,,,,,	11111111	,,,,,,,,	11111111	1111111	,,,,,,,,,	(//////	(1)111111	,,,,,,,,	,,,,,,,,	24.6	111111
TOTALS	32.2 	21.9	10.1	6 • 3	3.3	1.4	. 1					100.0	4.5

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

ALL

PERIOU OF RECORD: 77-86 MONTH: JUN HOURS(LST): STATION NUMPER: 042020 STATION NAME: THULE AB GL

• • • • • • • • • • • • • • • • • • • •		• • • • • • •	•••••	• • • • • • • •	416	D SPEED	IN KNOTS	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
DIRECTION (DEGREES)		4 - L	7 ~10	11-16	17-21		28-33		41-47	48-55	GE 56	TCTAL 3	ME AN Winu
N	-1	.?	.1	.1	•••••	• • • • • • • •	• • • • • • • •	•••••	• • • • • •	• • • • • • • •	• • • • • • •	.4	6.1
NNE	•1	- 1	• 1	. 1	.0							. 4	P • 2
NE	•1	• 2	• 2	• 1		٠, ٢						.5	6.7
ENE	- 3	• ?	• 2	• 1	•0							1.0	6.1
£	. 8	• 7	٩.	1 • 1	• 2	• 0						3 . 7	8.7
ESE	• 2	. 4	• 9	1 • 2	•6	. 7	• 0					3.5	12.5
SE	•2	.4	1.0	1 • 2	.9	. 5	. 1	•0				4.2	14 • 1
3.5.5	i .o	. 3	1.1	1.8	.9	- 3	•0					4.5	13.7
S I	l .2	. 4	. 9	1.3	.7	• 2						3.6	12.5
SSW	l .1	- 1	• 1	•0								• 5	6.9
SW	• 5 	• 3	• 0									. R	3.4
wsw i	1 3.8 I	1.1	• 2	•0								5.2	3.0
u l	16.5	15.4	3.1	• 2	•0							35.2	3.9
HNN	} 4.4 	4.7	. 6	• 0						•0		9.7	3.A
NW	1.1	. 7	• 1									1.8	3.6
NNW (	.4	. 4	• 0	• 0								. 0	3.9
VARIABLE	1.5	1.1	?	.:)		• • • • • • •		• • • • • •		• • • • • • • •		2.7	3.7
CALM	1111111111	,,,,,,,	1111111	///////	,,,,,,,	,,,,,,,,	,,,,,,,,	//////	,,,,,,,	,,,,,,,,	,,,,,,,	21.6	/////
TOTALS	30.2	26.5	9.6	7.2	3.5	1.2	. 1	•0		.0		100.0	4.7
	,												

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF FECORD: 77-86 Month: Jul Hours(LST): 0000-0200 #IND SPEED IN KNOTS
DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 41-47 48-55 GE 56 TOTAL MEAN 34-40 WIND 4.0 NNE . 1 . 1 2.0 NE . 2 . 1 • 2 ENE . 9 . 3 1.9 • 2 • 5 7.3 . 3 9.9 ٤ 1.2 2.6 1.4 1.2 . 4 . 4 7.6 ESE • 6 1.1 1.4 1.4 . 4 . 3 . 1 5.4 10.6 SE 1.2 • 6 . 4 . 1 10.3 SSE 1.0 • ? • 5 . 1 12.3 S • 2 . 1 . 3 . 1 12.4 554 • 1 2.0 • 1 SW . 5 . 1 . 6 2.8 1.5 3.2 3.3 16 5 h 1.6 . 1 10.4 3.7 . 2 14.3 2.8 HNH 3.4 1.1 . 1 4.5 2.9 . 2 2.9 NW 1.9 . 2 2.4 NNW .5 . 1 3.6 3.5 VARIABLE . 1 3.1 CALM 45.6 //////

. 4

100.0

TOTAL NUMBER OF OBSERVATIONS: 9:4

TOTALS

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86 MONTH: JUL HOURS(LST): 0300-0500 WIND SPEED IN KNOTS DIRECTION 11-16 17-21 22-27 28-33 34-40 4-6 7 -10 41-47 48-55 GE 56 TOTAL MEAN (DEUREES) KIND ... 5.0 • 2 NNE . 1 . 1 . 1 . 3 4.7 . 4 . 2 HE - 1 . R 5.6 . 5 . 9 ENE . 4 . 3 2.2 6.1 Ĺ 1.4 1.7 . 4 1 . 2 1.6 . 8 . 2 . 1 7.5 11.2 ESE 1.1 1.3 1.2 . 8 1.0 • 2 • 2 . 1 11 - 1 SE • 2 1.2 1.3 1.4 . 4 . 3 • 2 5.1 11.6 SSF • 1 1.0 • B • 3 . 2 3.0 11.2 s • 2 . 6 • 5 .6 2.5 10.6 5 S W - 1 5.0 . 1 SW . 4 . 4 . 9 3.5 1.7 1.0 WSW 2.7 2.9 10.1 4.2 14.3 2.8 3.0 . 9 WNW 3.9 NW . 8 . 3 4.0 NNW 2.6 3.9 VARTABLE ! 1.9 CALM 45.7 ///// TOTALS 3.0 1.0 . ? 100.0 3.7

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOUNLY OBSERVATIONS

PERIOD OF PECORD:

100.0

4.1

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86 MANTH: JUL HOURS(LST): 0600-0800 WIND SPEED IN KNOTS DIRECTION ! 11-16 17-21 22-27 28-33 34-40 41-47 46-55 GE 56 7-10 TOTAL MEAN (DEGREES) | WIND ... . 2 2.5 NNE .2 . 1 . ] • 2 . 6 6.8 . 3 . 4 NE - 1 . 9 7.9 E NE . 4 . 9 . 4 • 2 6.2 Ł **.** 8 1.4 1.3 1.6 . 4 . 2 • 5 12.1 ESE 1.4 .6 . 8 . 4 . 1 • 1 12.2 SE • 2 1.8 . 4 • 2 . 2 • 3 4.4 12.8 SSE . 6 • 5 • 3 3.0 13.4 S • 2 • 2 . i •6 1.7 10.3 SSW • 3 - 1 3.8 SW . 4 . 1 • 6 1.2 4.5 WSW 2.4 2 . 3 • 1 3.5 16.7 7.5 2.9 3.7 KNW 1.5 • 2 3.0 NH 1.0 3.6 NNW 3 . 3 4.3 VARIABLE I CALM 33.5 /////

. 4

. В

TOTAL NUMBER OF OBSERVATIONS:

TOTALS

GLUBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PEPCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AG GL

	1					ND SPEED							
DEGREES)		4-6	7 -10		17-21	22-27	29-33	34-40			GE 56	TCTAL %	ME AN WIND
N	l .1	٠٠٠٠٠٠٠		• • • • • • • •	• • • • • • •	• • • • • • • •		• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	. 4	4.5
NNE	1 .1	. ?										. 3	4.7
NE	 	. ₹	- 1	• 1								• 5	7.4
ENE	1	• A	1.0	. 4	• 3							2.6	9.3
Ē.	.1	1.1	1.6	1.4	•1	. 5	. 3					5.2	12.0
ESE	.1	. 3	1.0	1 - 1	. 8	. 6	• 2	- 1				4.2	15.6
SE	! 	•2	1.4	. 9	.9	. 3	• 1	• 2				4.0	15.5
SSE	• 1	• 2	1.0	1.4	. 5	. 1	• 1					3.4	13.2
S i	i 1	. 3	• B	.8								1.8	10.1
SSW	ĺ	• 1										• 1	5.0
SW	.9	. 9										1.7	3.5
w S W	1 3.0	1.9	• 2									5 • 2	3.5
	20.0	16.5	2.2	. 3								38.9	3.7
KNK	j 3.7	4.2	• 6									8.1	4.0
Netic	1	1.1	• 1									1.6	4.3
NNW												• 7	3.0
VARIABLE	2.8	9			• • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	3.9	2.9
CALM	1	///////	(///////	11111111	1111111	/////////	11/1///	///////	,,,,,,,	,,,,,,,	,,,,,,,	17.9	,,,,,,
TOTALS	1 1 31.2	24.2	10.1	6.3	2 • 6	1.6	. A	. 3				100.0	5.0

TOTAL NUMBER OF UBSERVATIONS:

PÉRIOU OF RECORD: 17-86

GLUBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PER10U OF RECORD: 77-86 MONTH: JUL HOURS(LST): 1200-1400 WIND SPEED IN KNOTS DIRECTION | 17-21 22-27 28-33 34-40 TOTAL (DEGREES) | ■ I N O N 4.0 .. NNE 9.0 . 2 NF • 1 • 1 • 2 6.5 ENE 11.1 • 6 E . 9 3 • D 6.1 12.7 1.2 . 4 • 2 15.8 ESE 1.0 .6 3.4 15.7 SE 1.3 1.6 . 8 . 8 . 5 • 1 . 1 5.6 558 . 1 1.4 1.3 • 2 . 3 . 1 13.3 3.4 . 9 S . 1 . 6 1.6 10.6 SSW • 2 . 1 - 1 . 4 9.5 ś٧ . 6 . 6 • 3 1.6 4.5 WSW 2 • 4 2.2 1.1 4.3 16.5 4.0 LNE . 8 fa Si • 6 ٠, 3.9 . l 4.1 NNW . 1 . 2 . 3 10.3 ///// CALM 

2.0

1.2

. 2

100.0

5.8

TOTAL NUMBER OF ORSERVATIONS:

13.2

TOTALS

GLOBAL CLIMATOLOGY HRANCH USAFETAC AIR WEATHER SERVICEZMAC

PERCENTAGE FOLIDIENCY IN OCCUPATING OF SUBJECT WIND DIRECTION VERSUS WIND SPEED FROM HODGETY OFSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULF AS DE

titlef of coaps: 77-86 #1ND SPEED IN ANOTS

DIFFCTION | 1-3 4-6 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 38-40 | 41-47 | 48-55 | UE 56 | TCTAL | HEAN | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | 17-21 | (DEGREES) | HIND . . . . . . . . . . . . . . . . N - 1 • 1 10.0 NNF . 1 . 2 . 3 10.7 ΝE • .7 • 1 . 2 . i . 6 7.8 ENE - 1 . 4 . 8 .5 - 1 1.9 9.6 . 3 Ł 1.9 2.0 . 3 6.5 • A . 2 . 3 17.5 ESE • 1 • 3 1 - 1 .6 . 9 . 1 • ? 1.3 14.0 SE - 1 . 3 1.3 1.0 . 3 . 3 . 2 12.9 SSF ۹. 1.4 1.2 . ? 4.6 14.8 . 1 1.7 11.3 5 S W • 2 . 1 :.7 . 3 • ? . 5 . ? . 2 51 1.2 6.5 N S W 2.6 . . 4 . 5 . 3 4 - B 4.4 17.4 22.9 3.3 • 1 43.7 4.0 3.9 HNU 7.7 . B 17.3 4 . . • 5 1.0 NH . 1 1.6 1.0 NNW 3. 0 ••••• /ARIABLE 1.2 1.0 CALM 19.1 ///// TOTALS 36.D 11.4 7.4 2.9 1.4 1.0 . 3 160.0 t. , 7

GLOHAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

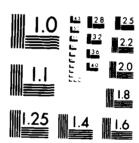
STATION NUMPER: 042020 STATION NAME: THULF ALS GL PENIOD OF RECORD: 77-86
HONTH: JUL HOURS (LST): 1900-2000

| IND SPEED IN ANDIS
ULFECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GF 56 TITAL MEAN

(DEGREES)		7 0	, -10 1	1-10	1,-21	22 - ž i	211-33	34-40	41-47	48-93 67 30	3	WIND
N	. 3	.2	• • • • • • • • •	•••••	•••••		• • • • • • •				.5	3.6
NNE	-1										• 1	1.0
NE		- 1	• 2								. '	7.2
ENF		٠ ٠	1.7		• 2						1.7	9.7
E		1.1	1.6	1 • 2	• "	1.7		٠ ۲			5.7	14.1
F S F	• ,	1.1	. 9	1.0	• '	• 1						11.4
14	.4	. 6	. 1.	• 7	• •	. 4						11.
558	. ‹	- 1	. 4	• *.	1.,	٠.	• ."					17.1
5		.,	1.2	. 4	. 4	- :						11.4
5.5 m	• •	• 1									• `	*. 7
5 •		• `	. 1								. t	٠. "
<b>₩</b> '5 <b>₩</b>	1.1	1.5	. •								٠.,	* • t
a l	17.7	1 / . :	1.1								1	
<b>⇒</b> '+ ₩	1.1		. *								11.	* •
N. E.	1.1		• '								. '	4.2
4. % 66											. 4	4. 1
· · · · · · · · · · · · · · · · · · ·	' '••••••									<b></b> .		
i											1.5	4.9
	Ī									1000		11/1//
1 7 7 7	' . <i>*</i>		• • •								11.00	' • 1

PORAL NOMERO CONTINUES PART

AD-A187 857 2/9 UNCLASSIFIED



MICROCOPY RESOLUTION TEST CHART NATIONAL HUBBALO OF STANDARS STANDARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF RECORD: 77-86 #IND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN (DEGPEES) | WIND N 4.1 • 6 NNE ΝE 1.2 6.9 • 2 LNE .5 . 4 . 2 . . 2.3 8.3 £ 1.1 . 3 . B . 3 4.9 . 8 . 3 14.8 E SE . 9 1.5 1.0 9.9 . 6 . 8 . 1 4.9 SE . 3 . 9 1.4 . 8 . 4 • 3 4.4 14.7 SSE • 1 . 2 . 4 • 5 • 3 . 3 • 1 2.5 17.3 s ٠1 1.0 • 3 • 1 10.5 SSW . 3 • 2 •5 4.4 SW . 3 1.0 3.7 1.7 3.0 3.2 .5 7.7 25.6 3.0 -4.0 2.6 • 2 7.7 3.1 NW 1.7 1.2 • 5 3.0 NNW . 1 - 1 1.1 4.5 3.3 1.8 CALM 33.9 ///// 6 . A 5.1 2.9 1.7 1.0 100.0 4.1

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: MONTH: JUL HOL HOURS (LST): ALL WIND SPEED IN KNOTS -10 11-16 17-21 22-27 28-33 DIRECTION | 7 -10 GE 56 TCTAL (DEGREES) | WIND • 0 • 0 NNE . 1 . 1 . 1 . 3 NE - 1 •0 7.2 . 7 . 1 2.0 B . 4 . 7 . 4 ENE .2 1.4 . 5 1.7 . 4 . 5 6.2 ε 1.2 . 2 . 3 12.3 . 7 . 4 ESE . 4 • 8 1.1 0.1 . i • 0 4.5 12.3 5£ • 5 1.1 1.3 • 6 . 4 . 2 • 0 4.4 13.4 SSF . 3 . 8 1.0 . 6 . 4 . 1 • 0 3.4 14.1 • 2 . 7 • 6 . 2 • 0 • 0 2.0 10.9 • 1 • 0 • 0 • 0 4.8 . 5 •0 1.1 4.2 • 0 4.5 2 . 3 1.8 3.5 16.0 13.1 1.3 • I 30.5 . 4 8.0 3.7 3.9 3.7 WNW . 2 1.0 2.0 3.7 NW - 8 NNW . 1 .0 • 0 • 5 3.8 VARIABLE ٠., • 0 • 0 . B .0 26.6 ////// CALM 100.0 TOTALS 6.0 . 7 4.6

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

#IND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GF 56 Total 7.8 . A 5.7 NNE . 4 • 3 NE • 5 . 1 • 3 1.0 . 3 ENE 1.1 1.9 2.0 1.7 . 2 12.5 5.7 3.2 E 5.3 8.3 8.1 ESE 1.8 2.7 1.1 1.5 . 4 • 5 \$E . 6 1.5 1.5 1.7 • 5 1 - 1 . 1 . 1 7.2 12.3 SSE 1.0 • 5 1.3 1.6 . 9 • 3 . 2 5.8 11.6 • 5 . 5 . 1 2.5 14.5 • 3 5.6 . 1 . 9 • 3 W 5 W 1.4 . 9 6.9 2.9 5.1 . 2 1.6 1.9 1.4 3.1 MNH 2.0 NNW . 1 2.3 5.6 VARIABLE . 3 CALM 41.2 ////// 100.0 TOTALS . 1 4.3

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF PECORD: HOURS (LST): 0300-0500 MONTH: AUG #IND SPEED IN KNOTS 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE S6 TOTAL MEAN DIRECTION IDEGREES! ! 1 UNIW 7.9 NNE . l . 1 . 5 5.2 NE • 5 • 3 . ì ENE 2.0 .6 . 5 4.6 E 3.9 1.9 1.1 . 4 5.9 11.4 ESE 2.0 . 3 8.0 SE 1.2 . 5 1.4 1.6 1.6 7.6 10.6 1.3 SSE • 5 . 9 . 2 1.8 1.5 13.5 . 1 . 1 . 1 4.9 . 4 . 4 12.7 5 . 4 . 8 . 2 2.5 . 2 SSW . 1 4.4 . 5 . 1 . 8 . 2 SW . 5 . . 2.6 3.5 WSW 1.3 . 4 • 5 1.9 2.0 . 4 3.4 WNW . 3 2.7 1 • 3 NNW 1.0 VARIABLE ! 1.1 3.7 CALM 41.4 ////// TOTALS 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

77-86 PERIOD OF RECORD: HONTH: AUG HOURS(LST): D600-0800 I WIND SPEED TN KNOTS DIRECTION | 7-10 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN (DEGREES) WIND . 3 - 1 • 2 5.7 NNE . 3 . 2 • 5 . 1 1.2 6.4 NE 1.0 . 3 . 8 . 2 . 1 2.4 6.4 ENE 1.9 • B . 4 • 2 . 3 3.7 5.7 2.5 ٤ 3.9 1.7 1.8 . 5 . 1 10.5 7.1 ESE 1 - 7 1.9 1.4 1.8 • 3 7.3 8.0 SE . 9 • 3 . 3 7.6 13.2 • 6 1.1 1.0 . 3 . 6 . 1 4.3 12.3 . 9 . 3 . 2 2.6 - 3 11.4 SSW . 4 . 1 . 1 4.3 . 6 . 5 . 5 1 • 8 1.9 WSW 1.1 . 8 3.9 . 1 6.1 3.1 • 9 10.1 3.4 UND 1.8 . 4 2.3 2.5 NW . 8 • 2 1.0 • ? . 3 . 1 2 • 3 VARIABLE ! CALM 39.B 111111 4.3

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PEPCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF PECORD: MONTH: AUG HOURS(LST): 0900-1100 WIND SPEED IN KNOTS 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL DIRECTION | 1-3 4-6 7 -10 WIND (DEGREES) N 3.7 . 3 NNE . 1 ٠, 6.5 . 1 • 2 ٠.4 NE . 2 ٠, . 2 • 5 1.7 8.9 FNE - 1 . 4 . 6 . 4 . 1 6.7 9.7 £ . 9 1.3 2.2 1.4 . 8 . 2 E SE • 2 1.0 1.4 1.8 . 5 . 4 . l 5.5 12.0 15.0 S E • 6 1.3 2.3 1.3 ٠, . •2 . 3 7.2 SSF . 9 2.0 . 9 . 3 4.5 13.4 5 . 3 • 6 . 8 . 1 2.7 12.5 • t • 6 • 3 2 • C SSW - 3 2.2 2.9 54 1.6 . 5 6.5 3.0 . 3 4.6 1.5 W S W 2.2 24.9 3.7 14.7 8.2 . 4 5.5 4.7 MNM 1.7 3.2 . 5 3.4 1.4 NW . B . 6 -• 2 . 5 . A 4.1 ...5 4.1 5.2 VARIABLE 1 1.2 . 3 - 1 CALM 23.4 ///// 100.0 FOTALS 1.8 . 3 5.4

GLOBAL CLIMATOLOGY BRANCH USAFETAC

## PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

PERIOD OF PECORD: STATION NUMBER: 042020 STATION NAME: THULE AB GL MONTH: AUG HOURS(LST): 12J0-14CO WIND SPEED IN KNOTS
DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 39-40 41-47 48-55 GE 56 TCTAL MEAN WIND (DEGREES) | 15.5 N • I . 1 NNE . i . 1 1.0 11.1 NE • 2 . 4 . 1 ENE • 1 . 8 1.0 • 1 . l 2.8 9.6 • 8 £ ٠, 1.7 1.6 . 6 . 3 5.9 10.8 . 4 1.7 1.8 • 6 11.8 ESE 1.8 1.2 SE .5 1.0 3.4 . 1 . 3 15.8 . 3 2.0 12.9 . 5 2.2 1.6 . 1 SSE . 4 1.0 . 5 5.1 13.2 S . 8 . 6 5.3 . 2 . 4 SSW . 2 . 9 7.7 3. 2 SW 1.7 . 1 3.4 4.9 3.2 . 4 8.6 14.8 16.3 3.1 . 3 34.6 4.0 2.5 1.0 7.4 4 . 3 1.1 . 4 1.9 4.9 NW . 2 . 1 • 2 NNW 9.5 ////// CALM 100.0

TOTAL NUMBER OF DESERVATIONS: 930

•

PEPCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VFRSUS WIND SFEED FROM HOURLY OBSERVATIONS GLOPAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

1						D SPEED							
PECTION   DEGREES)	1-3	4 - 6	7 -10			22-27						TOTAL 3	MEAN
N [	• • • • • • • •	. 4	.1	• • • • • • • •	•••••	••••••		•••••	• • • • • • • •			.5	5.6
NNF		.3		•1								. 4	6.8
NE		.1	. 3	•1								• 5	8.8
ENE	.4	. 4	.6	• 8			. 1					2 • 4	9.2
E	• 3	1.2	1.7	1.7	.6	. 3	• 1					6.0	11.3
ESE	•1	•5	1.3	1.7	• 3		- 1					4.1	11.3
SE	•1	• 5	1.6	3 • 3	2 • 2	. 5	.6					8.9	15.4
SSE	• 2	•5	2.2	2.0	1.6	• 5						7.1	13.1
s į		• 7	.6	1 • 1	• 5							2.5	12.6
SSH	-1	•?	• 2	-1								• 6	6.7
SW	• 5	1.0	• 3									1.8	4.3
wsw	4.6	3.4	.9	• 1								9.0	3.9
•	13.4	17.2	3.0	•5								34.2	4.2
NNN	2.4	3.5	• 2									6.1	4.0
NW	.6	.9	• 2									1.7	4 . 1
NNW	• 1	. 3										. 4	4.3
ARIAPLE		1.2	.2	-4	•••••	• • • • • • • • •		• • • • • • •	• • • • • • •		•••••	2.3	6.2
AL" .	,,,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	//////	,,,,,,,,	,,,,,,,,	,,,,,,,		11111111	,,,,,,,,	11.3	111111

GEOGRE CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PEPIOD OF RECORD: 77-86
HONTH: AUG HOURS(LST): 18U0-2000

| WIND SPEED IN KNOTS
| UPPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 29-33 34-40 41-47 48-55 GE 56 T(TAL MEAN LINE) IDEGPEES) | LIND 3.5 · 1 NNF . 4 . 4 4.5 NE 1.4 . 4 - 1 7.4 • 1 .6 • 1 ENE . 4 . 5 • 1 . 4 1.5 7.3 , 5 Ł 2.0 2.2 . 1 0.0 10.8 ESE 2.3 . 4 • 2 . 1 5.6 11.0 SE . 2 2 • Ü 14.1 8.1 558 7.0 13.3 5 . 1 12.0 1.8 SSW - 1 4.1 . 9 1.0 • 1 . 8 1.8 3.9 1.A . 3 2.4 3.4 6.5 16.5 11.2 2.5 - 1 30.2 3.7 WNW 2.2 3.1 . 3 5.6 3.9 NW 1 . 2 4.1 NNW 3.7 ....... 4.R CALM 18.9 ///// TOTALS 4.3 1 . 8 . 5 100.0

GLOBAL CLIMATOLOGY RRANCH USAFETAC AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86 Month: Aug Hours(LST): 2100-2500 WIND SPEED IN KNOTS DIRECTION | 7 -10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL (DEGREES) | WIND . 3 4 . 1 . 4 . 5 5.6 NNE • 1 . 8 7.5 NE • 1 . 2 - 1 1.2 ENE . 9 . ? • 5 . 3 2.6 5.9 ٤ 1 . 3 • 5 7.5 8.4 1.6 1.6 • 5 • 2 • 2 6.0 7.9 ESE 1.1 1.6 SΕ 1.1 1.9 1.2 . 4 7.5 1.2 1.6 • 1 11.2 .5 1.7 1.1 SSE 1.0 1.9 . 8 . 3 13.9 . 1 7.4 13.1 S . 3 - 1 . 2 . 4 . 4 . 2 1.7 . 1 SSW . 4 . 1 .6 3.2 . 9 . 1 1.7 3.7 SW • A **US U** 1.7 1.3 • 2 3.2 3.5 9.6 6.17 . 8 15.4 3.3 PAU 1.7 1.5 • 2 1.4 3.5 • A 3.3 • 2 . 2 5.0 VARIABLE 1 3.4 36.1 ///// 3.1

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

TION NUMBER	. 012323								HONTH:	AU1,	D: 77- HOURS(LS	T): AL	
	•••••				WIN	ID SPEED	IN KNOTS			• • • • • • • •			
DIRECTION   IDEGREES)		4-6	7 -10	11-16		22-27					66 56	T(TAL 3	ME AV NINU
N [	.2	•2		.0	.0	• 0	•••••	• • • • • • •				• 6	۰.,9
NNE [	• 1	• 2	. 2	• 0	.0							٠,	5.A
NE.	- 3	. 3	.5	• 1	. 1	. 0						1 • 4	7.3
ENE	. 9	• 8	. 6	.5	• 1	• 0	• 0					2.9	6.9
ε	2.2	1.0	2.1	1.6	.6	• 1	• 0					9.3	P . 1
ESE	1.0	1.4	1.6	1.6	.4	. 7	• 1)					5.2	٧.4
37	.6	1.0	1.6	7.3	1 • 4	. 7	• 2	• 1				7,9	13. "
ssr	. 3	.5	1.7	1 • 8	1.0	. 5	• 1	• 0				5.0	1 * 0
s	• 2	. 3	.6	.6	. 5	. ?	• 1)					2.4	1.7 • P
SSW I	- 3	• 2	. 1	.0								.6	4.6
sw I	٠,	. 6	• 1									1.5	3.4
usu I	2.9	1.7	. 3	• 0	• D							5.0	3.4
- H	10.3	8.2	1.6	• 2								20.4	3.8
#N#	1 • <sup>a</sup>	2+1	. 3									4.2	3.R
NW I	.7	.5	• 1									1.3	3.6
NAW 1	•?	• 2	• C									. 4	3 . 7
VARIABLE	1.3		3	.2	.0	• • • • • • • •	•••••	• • • • • • •			• • • • • • • •	2.7	4.A
CALM [	,,,,,,,,,	///////	1111111		///////	,,,,,,,,	11111111	//////	,,,,,,,	,,,,,,,	,,,,,,,,	27.7	111111
TOTALS (	24.1	20.8	11.8	1.0	4.1	1.8	. 4	. 1				100.0	5 • 1

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSTRUCTIONS

STATION NUMBER: 842823 STATION NAME: THULF AB GL

PERIOD OF RECORD: 77-85 PENTOU OF NEU NU: 77-86

MONTH: SEP HOURS(LST1: GOJO-0200

WIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN
(UEGRES) | CUEGPIEST 1 w17D 14 . 8 5.3 • 2 • 3 n . 3 NNE . 3 . 4 . 1 NE 1.1 1.4 1.5 . 4 6.3 5 . A • 2 3.1 4. . E NE 4 . A 1.6 9.7 £ 8.3 16.1 3.7 1.3 . 2 23.7 5.1 E.S.E t, , 7 3.4 1.4 . 2 5.6 2.0 2.4 . 7 5 S F . 7 . 1 . 1 11.0 s .6 554 c. 7 . 1 • 1 . 1 1.0 4.6 • 1 . l 6.3 . А WSW . 2 . 2 . 3 . 2 . 6 1.1 6.1 . , UNU . 2 . 1 . 1 . 7 6.5 N % . 1 • 6 4 . A VARIABLE 1 1.0 CAL 19.3 ///// 101.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FPEQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF PLCORD: 77-86 MONTH: SEP HOURSILST): 0300-0500 MIND SPEED IN KNOTS 11-16 17-21 22-27 28-33 34-40 DIRECTION ! 7-10 41-47 48-55 GE 56 TCTAL MEAN WIND (DEGREES) | ı N . 8 1.0 5.3 - 1 . 4 7.3 NNE . 3 • 2 1.1 NE 1.0 4 • 7 1.2 . 1 5.0 5.3 ENE 6 - 3 1.0 . 3 9.9 2.2 5.7 4.7 1.1 .8 23.9 5 **.** 8 Ł 11.6 . 1 4 . B 3.2 1.2 1.0 . 1 . 1 . 3 17.4 7.1 ESE 6.7 1.9 • 3 . 3 10.3 SE 1 . 2 3.0 3.0 . 6 9.6 . 9 . 7 1.0 4.2 SSE . 1 1.4 . 1 11.3 5 . 4 . 4 . 7 1.6 5.4 SSW SW . 1 • 3 . 4 7.0 WSW . 3 • 1 . 4 6.0 • 2 1.0 . 3 7.6 • 3 . 1 ٠,۲ 4.1 N a . 5 NNW . 1 - 1 2.0 3.0 VARIABLE . B CALM 18.6 ///// 100.0 TOTALS 17.6 5.7 3.1 . 8 . 3 5.4 . 6

GLOBAL CLIMATOLOGY PRANCH AIR WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

#IND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-37 30-17 17-27 PERIOD OF RECORD: 77-86 (DEGREES) 1 N ۰.: . 1 . 4 . 3 . 1 . 3 . 3 . 1 9.4 . 1 . 2 4.2 5. 1 NE 1.1 1.8 1.1 5.1 1.9 ENE 9.1 5.9 1.6 • 3 . 1 . 1 . 2 ٤ 5.1 11-4 5.7 1.2 . 2 28.9 5.7 ESE 4.3 5 . A 2.4 . 9 .6 . 5 . 5 . 3 15.0 7.5 SE 1.9 1.9 . 3 17. 1 1.1 1.0 . 9 1.0 • 2 . 1 4.3 11.0 . 7 A . 7 . 1 1.7 . 4 . 1 . 5 1 . 2 . 1 SH . 1 . 2 1.4 4.1 . 7 . 4 . 3 1.4 W 5 W 4 . 1 . 6 . 3 . 6 . 2 1.7 6.3 MARK • 2 . 1 . 1 4.7 NH . 1 . 4 6.8 NNW . l ٠.4 VARIABLE | CALM 20.9 ///// 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS GLOBAL CLIMATOLOGY BRANCH AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 77-86

MONTH: SEP HOURS(LST): 0900-1100

WIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 2R-33 78-50 75 IDEGREES) | WINU • 1 . 2 . 1 1.1 6.3 NNE . 4 . 2 . 3 .6 . 1 1.7 7.9 1.0 i - 1 . 1 ΝE 1.3 . 2 . 1 4.9 6.7 ENE 1.7 3.3 1.1 . 4 . I . i £ 6.2 7.2 2.7 1.1 . 1 . 2 17.6 ESE 3.1 4.7 1.4 . 9 . 9 . 9 . 3 9.5 SE 2.0 .6 . 1 . 4 • Z 6 . R 8.5 \$ \$ E . 9 2 . D • 2 5.1 10.4 s .6 . 8 2.2 7.1 • 2 . 7 3.3 . 3 SW 1.0 1.3 2.8 WSW 1.1 1.0 . 1 . 1 2.3 3.9 w 1.8 1.0 • 3 KNM • 1 . 6 . l . 1 7.3 NH - 1 . 1 10.0 NNW 2.7 VARIABLE | 1.6 CALM TOTALS 2 . 3 • 2 

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

77-86

PERIOD OF RECORD:

STATION NUMBER: 042020 STATION NAME: THULE AB GL

MONTH: SEP HOURS(LST): 1200-1400 I AIND SPEED IN KNOTS DIRECTION 7-10 17-21 22-27 28-33 34-40 TOTAL MEAN WIND (DEGREES) | t . 8 1.2 5.0 NNE . 2 . 6 . 1 - 1 1.0 5.9 2.8 NE . 4 1.2 . 7 • 2 • 1 8 . C ENE 1.7 2.4 . 8 6.2 7.3 14.1 • l 11.0 9.6 ESE 1.7 2.0 1.4 • 1 • 3 3.6 7.6 8.5 SE 1.3 2.8 1.2 1.2 .6 . 4 . 7 . 2 4.2 . 9 . 9 • 9 10.2 SSE s . 7 . 7 . 2 2.4 6.0 1.3 3.3 . 2 **.** 1 SSW 1.0 2.7 SW 2.0 . 6 . 1 2.8 WSW 1.9 • 2 2.9 3.3 2.0 • 2 9.8 2.8 2.4 3.0 • l 1.1 5.7 .6 . 3 3.8 NNW . 1 . 1 .6 3.3 3.3 *......* 25.3 ///// CALM . 1 .......

GLOGAL CLIMATOLOGY BRANCH USAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS AIR WEATHER SERVICE/MAC

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PEP1OU OF RECORD: 77-86 MONTH: SEP HOURS(LST): 15UD-17CO NIND SPEED IN KNOTS 11-16 17-21 22-27 28-33 34-40 DIRECTION | 1 - 3 7-10 MEAN WIND 4-6 41~47 48-55 GE 56 TOTAL IDEGREES) I . 2 • 2 1.3 1.8 5.2 NNE . ? . 1 . 3 . 7 5.7 . 4 . 8 NE 1.8 . 1 . 1 . 1 3.3 7.0 2.0 ENE 1 • 4 1.4 . 4 • 2 5.6 £ 4.0 3. 6 2.1 1.0 . 7 . 2 . 1 11.9 6.6 ESE 2.4 3.6 1.7 1.9 • 2 . 4 . 1 . 3 8.7 1.7 1.9 2.7 •6 . 3 • 2 1.2 . 1 A . 7 10.9 SSE 1 - 1 . 7 . 4 1.0 4.2 10.6 1.0 1.1 .6 3.3 6.8 . 4 . 1 . 1 • 2 . 9 5.5 S¥ 1 - 3 . 6 . 1 2.0 3.0 . 9 KSH 3.2 4.6 3.1 7.1 3.1 . 9 11.1 3.3 . 9 HNN 2.0 . 4 . 1 3.4 3.9 NW • 3 • 2 . 3 • 2 NNW - 1 • ? . 2 5.2 VARIABLE 1.1 3.4 CALM 24.6 ///// TOTALS 12.7 0.8 2 • 1 1.7 . 6 . 4 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86

MONTH: SEP HOURS(LST): 1800-2000

WIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-27 ...-MEAN **LIND** ... 5.8 N 2.0 . 3 . 8 NNE . 3 . 3 4.7 1.3 2.8 NE .6 . 6 . 7 . 1 6.6 ENE 1.7 2.7 1.3 . 3 . 1 5.1 ٠.6 £ 3.4 8.2 2.9 . 9 • 2 . 2 16.3 6.5 2.1 . 1 11.4 A . 3 1.0 13.0 SE 2.2 2.2 . 7 • I 10.2 SSE . 7 9.A S €.4 . A - 1 . 2 . 2 . 2 8.5 SSW . 3 1.3 SW • 1 . 1 4 . . . 4 • 2 . 3 4.9 **WSW** 1.5 4.4 1.9 . 4 . 1 6.9 3.4 HNE . 7 .6 . 1 1.3 3.9 NW . 7 . 4 - 1 1.2 3 . A NNW 3.7 VARIABLE | 4.6 CALM 28.1 ///// TOTALS 3.2 1.7 . 3 . 7 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRFCTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF RECORD: MONTH: SEF HO HOUPS(LST): 2100-2300 MIND SPEED IN KNOTS -10 11-16 17-21 22-27 28-33 34 DIPECTION 34-40 48-55 GE 56 TETAL MEAN (DEGREES) | Ł WIND N 1.2 5.3 NNE . 1 6.3 NE . 9 3.0 . 7 . 9 6.6 2.7 ENE 4.0 2.0 . 1 8.8 4.9 6.7 11.0 5.0 ε . 2 - 1 . 1 24.6 5.7 ESF 3.2 3.1 . 3 • 2 6.9 4.6 . 6 . 1 . 1 12.2 SE 2.2 . 9 . 4 1.6 2.1 2.3 . 2 . 1 0.9 10 - 3 . 7 SSE 1.0 . 7 . 1 1.1 . 6 4.1 17.9 \$ • 3 . 3 1.0 • 2 1.9 7.5 S S 🛩 . 1 . 1 c . 7 SW . 3 . 1 ٠.٢ W 5 W 1.3 5.3 2.0 • l • 8 3.3 4.3 1.7 . 3 . 2 . 1 1.9 4.7 NW - 3 - 1 3.3 NNW • 2 . 2 6.0 3.1 1.6 CALM 21.2 ///// TOTALS ۲.٦ 2.0 100.0 7.3 . 6

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED USAFETAC FROM HOURLY OBSERVATIONS

AIR MEATHER SERVICE/MAC

PEPIOD OF PECORD: 77-86 MONTH: SEP HOURS(LST): ALL STATION NUMBER: 042020 STATION NAME: THULF AP GL

• • • • • • • • • • • • • • • • • • • •		• • • • • • • •	•••••	• • • • • • • • •	·····	O SPEED	IN KNOTS	• • • • • • •			• • • • • • •	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
DIRECTION (DEGREES)		4 - 6	7 -10	11-16		22-27		34-40	41-47	48-55	GE 56	TCTAL \$	HEAN WIND
N	.2	. 7	.4	•0	• • • • • • •	•0	• • • • • • • •		•••••	• • • • • • • •		1.3	5.7
NNE	.1		• 2	- 1		. n						.9	1.2
NE	.9	2.2	• 9	. 3	. 1	• 0	• 0					4.4	6.2
ENE	2.0	3 • B	1.4	. 4	. 1	• 0	• 0					7.8	5.5
Ł	5.5	6.7	3.5	1.2	. 4	. 2	- 1	• 0	• 0			19.5	5 <b>.</b> E
8.56	3.2	4 . 8	2.5	1.3	.6	. 3	• 2	• 2		.0		13.2	7.9
SE	1.7	2.5	2.1	1.9	.6	. 4	• ?	. ១				4.4	9.4
SSE	.6	.9	. 9	1.2	. 7	. ?	•0					4.4	10.0
s	.5	•6	. 7	. 3	•0							2 • 1	(.6
SSW	.2	•2	• 1	•1								. E	5.1
SW	.7	. 4	• 1	• U								1.5	3.6
wsw	1.1	.6	• 3	• 1								2.0	4 - 1
le .	3.0	1.2	• 5	• 1								4.9	3.7
u Nu	.9	. 3	• 2	• 1	.0							1.5	4.2
NW	.3	. 2	- 1	• 1								. 7	٠.٢
NNW	.2	. 1	- 1	.0								. 4	4.5
VARIABLE	1 1.4			•••••	• • • • • •	• • • • • • • • • • • • • • • • • • • •			•••••			 2.4	3.5
	i 1////////				,,,,,,,	1111111		,,,,,,,,	(11/1/1/	((()))	,,,,,,,,	23.3	111111
TOTALS	22.6	2 A . 3	14.1	7.0	2.5	1.3	.6	. 3	۰,۰	. n		100.0	5+1

GLOBAL CLIMATOLOGY BRANCH USAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OPSERVATIONS ATR MEATHER SERVICE/MAC

STATION NUMBER: U42013 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86 MONTH: OCT HOURS (LST): UGJO-0200 #14D SPEED IN KNOTS -10 11-16 17-21 22-27 28-33 34-40 7-10 41-47 48-55 GE 56 (DEGREES) ŧ WIND N 8.9 . 2 NNE . 1 . } . 4 7.5 NE ٠, 2.3 1.0 . 3 4.5 1.9 1.0 . 1 13.0 ŧ 11.4 . 4 . 1 . 1 31.4 7.1 ESE 1.0 4.6 9.0 2.5 . 5 . 2 . 2 A . 5 . . . 9.7 SE 5.7 1.7 . 3 . 6 11.2 . 3 SSE • 3 • 5 1.2 . 3 3.5 . 8 12+3 5 .6 311. 3 • 2 . 5 . 2 1.4 554 • 2 . 7 7.0 51 . 2 . 1 . 1 . 1 10.2 MSM . 3 . 5 . 3 • 1 1.1 6.5 . 3 HNW ٠ ١ . 1 Nh ٠, . 1 8.0 NNW 3.0 • 1 • 1 CALH 9.0 100.0 TOTALS 9.6 . B . 2 10.1

GLUBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF DCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 17-86

AIR WEATHER SERVICE/HAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

#IND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN 10EGREES| (DEGREES) . 2 . 3 . 1 . 1 10.6 NNE . 2 . 1 . 1 • 2 .6 ۹.0 2.7 6.0 NE 1.8 1.8 . 7 5.7 ENE 1.3 5.1 4.6 1.2 . 4 12.6 7.3 Ł 2.3 14.4 11.2 1.8 1.1 . 4 . 2 . 2 31.6 7.6 • 8 . 5 . 2 E SE 4.9 6.9 1.3 • 5 . 1 15.3 8.8 SE • 3 2.3 6.7 1.9 • 3 12.2 9.5 SSE • 5 1.4 . A • 1 . 1 . 1 12.0 S . 3 10.1 55# ٠ì 0.9 SW . 9 4.5 .6 1.4 6.8 ٠1 • 1 . 2 . ? . 1 5.9 . 2 . 2 6.0 ٠1 . 1 7.0 ENW t.0 4.6 9.7 ///// TOTALS . 5 P. . Z 3.2 1.4 . 4 . 1 100.0 7.2

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR MEATHER SERVICE/MAC

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PEPIOD OF RECORD: 77-86 (DEGREES) I N | .1 . 1 6 . n NNF . 2 • 2 . А 10.1 NE 3.7 1.9 . 3 6.9 6.3 ENE 1.5 5.2 3.4 • 1 . 6 - 1 11.0 6.9 3.9 11.3 . 5 Ł . 3 . 3 32.2 7.8 ESE 1.4 5 . R 8.3 1.4 . 1 D • A . 6 . 1 17.7 SE 5.7 1.1 . 5 1.3 2. A . 6 . 1 12.2 9.2 SSF . 9 . 9 1.0 . 3 . 1 . 3 3.4 13.6 5 - 2 . 1 . 1 . 2 • 3 10.6 554 • 2 • 2 . 1 • 2 . 8 7.3 Sw . 1 r. • 0 • 2 5.9 1.2 • 3 • 3 • 6 1.7 6.9 - 1 . 1 7.0 5.0 . 1 NNW VARIABLE ! CAL 7.2 ////// TOTALS 6.5 1.8 . 6 .6 100.0 . 1 7.3

GLUBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NOTE: 042020 STATION NAME: THULE AB GL PEPIDD OF RECOPD: 77-86
MONTH: OCT HOURS(LST): 0900-1100

WIND SPEED IN KNOTS
DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TGTAL MEAN WIND .............. 9.5 . 4 9.8 NNE . 2 . 1 NE 1.8 2.9 1.1 5.0 5.5 12.2 6.7 ENE 5.9 3.2 . 5 . 4 ٠2 1.8 30.2 7.0 9.9 1.1 . 1 Ł 3.4 14.4 . 6 17.6 8.2 7.2 - 1 7.0 1.4 . 2 . 4 . 1 . 1 ESE 1.1 9.7 13.1 SE .5 3.0 6.8 2.0 . 3 . 1 . 1 . 2 5.7 14.2 . 1 . 1 SSF . 2 1.0 1 - 3 - 1 . 6 S • 5 • 2 .6 . 2 1.7 11.3 t. . 7 SSW . 1 . 2 - 1 . 6 • 2 . 6 9.8 t . 2 **WSW** 1.1 . 3 6.0 ٠2 • ì . 2 14.0 484 . 1 . 1 7.0 NH • 1 . 1 NNH VARIABLE 8.2 ////// CALH 100.0 . 2 7.2 . 4 . 1 TOTALS 30.6 P . D 2.0 1. 6 . 6

DEBRAL CLIMATOLOGY BRANCH PEPCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED USAFETAC FROM HOURLY OBSERVATIONS

PEPIOD OF RECORD: 77-86 MONTH: OCT HOURS(LST): 1200-1400 STATION NUMBER: 042020 STATION NAME: THULE AE GL

i					w I i	ND SPEED	IN KNOTS						•••••
TRECTION   DEGREES)	1 - 3	4-6	7 -10			22-27			41-47	48-85	GE 56	TETAL	ME AN WIND
N .	•1	.2	. 1	•••••	-1		• • • • • • • •	•••••	•••••	• • • • • • • •	••••••	.5	7.4
NNE I	• 1	. 1	• 3									. 5	£.A
NE	1.1	1.0	. 9	. 3	. 1							4.2	5.6
ENE	1 • 9	6.0	2.6	• 2	. 4	• 1	• 2					11.4	6.6
L .	3.A	13.5	8 • 1	1.8	1.2	• 5	. 3	• 1				29.4	7.3
1.2F	1.4	3.2	7.6	1.3	. 3	. 3	• 1	• 1				19.4	7.7
st i	. 9	3.3	6.7	1.4	. 3	. 3	• 1	• 1				13.0	B . B
SSE	• 2	. 4	1.0	0.1	. 4	. 5		• 2	• 1			3.9	14.9
s į	. 4	.3	- 3	• 2	. 1							1 • 4	7.2
SSW	• 2	٠,٢	• 1									•6	4.5
Su i	• ?	• ?	. 4									. ?	6.3
usu j	• 5	٠,۶	• 2	• 2								1.5	f • 1
₩ į	• 1	. 4	• 1									• 6	4.8
-Nu i	· i		• *									. 4	6.8
Nw i		• 1	. 3		• 1							• 5	9.6
tina (		• 1		- 1								• ?	F • 0
VARIARLE	1,4	1.2		• • • • • • • •	•••••	• • • • • • • •	•••••	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••			3.4
CALM	,,,,,,,,,	1111111	,,,,,,,	,,,,,,,	///////	1111111	,,,,,,,,	,,,,,,,	//////	///////	,,,,,,,	A . 9	111111
TOTALS !	12.0	3 7 - 1	29.0	6.6	3.1	1.8	. 4	.5	. 1			100.0	6.9

GLUBAL CEIMATOLOGY GRANCH USAFLTAC AIR WEATHEN SERVICEZMAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND STREETIGN VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

STATION NUMBER: 042020 STATION NAME: \*\*\* ULE AP GL

PERIOD OF RECORD: 77-86 MONTH: OCT HOURS(LST): 1500-1700

1							IN KNOTS						
DEGREES)	1 - 3	4 - 6	7 -1 9	11-16	17-21	22-27	28-33	34-41)	41-47	48-55	GE 56	T(TAL	ME AN HINU
N I			. 1	•••••								• 1	φ. n
NNF	• 2	. 4	• 2									٠°	5 . r.
NE !	. 5	2.7	1.0	•2								4.4	٠.7
T NE	1.5	6.9	3.2	• 5	. 2		• 2					12.7	6.6
ı	3.9	15.1	10.1	1.8	. 9	. 4	. 3					32.0	1.2
151	1.0	1.1	7.6	1.9	. 3	. 4	• 2	• 1				10.7	× • 1
SF	• 9	3	5.6	1.3	.6	. 7	. 3	. 1	- 1			11.4	9.0
SSE	.2	. 4	1.4	1.2	• 7	• •						4.7	17+7
s	. *	• 1	. 2	. 4								1.1	s <b>.</b> 7
SS# [	. 1	• 5	. 3	. 5								1.	1.3
ي د	• ?	. 4	. 3	• 1	• 1							1.0	7.4
WSW	• 1	• 3	. 1	- 1								••	6.3
- !	. 1	• 1	. 1	• 1								.6	6.2
and I	. 1		.2										7.3
N .			. 1	•.2								. 1	17.7
125W   1			. 1									.1	10.0
VARIACLE	1.0	1.2				• • • • • • •			• • • • • • •	• • • • • • •	• • • • • • • •		4.0
I MALM	,,,,,,,,,	///////	,,,,,,,,,	1111111	11/////	///////	(///////	1111111	,,,,,,,	,,,,,,,	,,,,,,,	я. п	/////
TOTALS T	7.7	37.5	30.0	۴.4	2.4	1.6	1.1	. 2	. 1			100.7	7.1

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

FERIOD OF RECORD: 77-86 MONTH: OCT HOURS(LST): 1900-2360 WIND SPEED 14 KNOTS
1 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 DIRECTION I 41-47 48-55 TOTAL MEAN (DEGREES) | WIND N | 3 . 6 . 3 NNE . 1 • 1 4.7 NE 3.5 1 . D 5.7 6.7 ENE . 9 0.3 3.4 • 6 11.6 6.6 Ε 14.7 12.2 • 3 33.4 7.0 . 6 ESE 11.2 • 3 • 2 . 5 . 3 19.1 9.7 1 . 2 3.5 1.8 S.E. . 1 2.3 4.7 2.2 • 5 • 1 . 4 . 2 10.5 10.9 SSE . 2 • 2 . 2 . 6 1.1 . 4 . 3 . 6 3.8 14.5 S 1.3 . 8 . 3 . 1 2.5 7.6 SSW • 1 r . c, SK • 2 . ? • 2 WSW • 2 • 1 • 1 7.0 . 3 . 1 .6 8.1 . 2 . 2 4.5 NW . 2 . 3 7.3 • ì NNW . 1 . 1 6.3 CALM 6.8 ////// 8.0 1.3 100.0 TOTALS 1.6 7.5

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/HAC

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF PECORD: #IND SPEED IN KNOTS

UIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN

TOUGHT | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN .2 • 1 MNE ۰.0 . 1 3.1 1.5 . 2 NE 5.9 . 3 11.1 6.5 1.0 2.5 • 3 ENE . 1 11.5 6.9 . 4 30.9 Ł 3.5 13.5 1.4 . 3 8.4 ESE 1.7 6.1 9.9 2.2 . 3 . 1 . 6 . 1 21.1 .5 . ? . 3 SŁ . 5 2.0 5.4 2.5 • 6 12.2 11.1 SSE .2 . 5 1.5 . 6 . 5 . ? 4.1 12.9 7.6 S • 6 . 2 - 1 2.2 . 3 4 . C . 3 . 3 1.7 ٠.٠ • 2 . 2 . 3 . 2 7.0 . 1 . 1 . 1 NW - 1 P . C NNH . 1 . 1 . 1 7.7 ///// CALM . . 2.0 TOTALS

GLOHAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY DRSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF HECORD: #IND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 20-27 10-27 (DEGREES) WIND 8.6 N • D • 2 . 2 . 1 •0 . ? 7.6 NNE . 2 . 1 . 1 5.4 6.n • 0 NE 1.0 2.8 1.3 . 2 . 1 11.8 6.7 ENE 1.5 5 • 8 3.4 . 6 - 1 . 1 31.4 Ε 3.5 13.7 11.0 1.5 . 4 . 3 . 1 7.2 ESE 5.9 1.7 • 3 . 4 . 3 • ì • 0 18.4 8.4 1 . 2 • 2 ٠, • 0 12.0 9.8 SE . 5 2.6 1.8 • 9 • 2 •0 • n 3.7 13.3 SSF • 5 • 0 8.9 S • 2 • 5 . 4 . 3 . 1 • 2 . 6 6.5 • 3 . 1 SSW . 1 7.4 • 1 . 3 . ? . 1 SW • 0 1.0 6.2 . 4 . 3 . 1 MISH • 7 . 4 - 3 • 2 • 0 1.1 6.8 6.9 UNU . 1 . 1 • 0 . 3 NW • 0 •0 . 3 R . 4 • 0 .0 • C •0 NNH 4.5 8.2 ///// CALM 100.0

GLOBAL CLIMATOLOGY BRANCH AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULF AB GL

PERIOD OF MECORD: MGNTH: NOV HOURS(LST): 0000-0200 WIND SPEED IN KNOTS DIRECTION | TOTAL 11-16 17-21 22-27 28-33 34-40 41-47 46-55 GE 56 7 -10 MEAN (DEGREES) | ▶1ND NNE . 3 . 3 8.3 . 9 NE 1.0 2.4 . 2 . 1 . t 4.8 6.1 FNF 2.2 7.1 3.8 • 6 . 1 - 1 . 1 14.0 6.4 Ł 2.3 12.0 15.2 1.4 .6 . 1 . 3 **.** 1 33.0 7.3 ESE 1.6 3.7 7.6 2.2 1.0 . 1 . 1 • 2 9.0 SE . 9 3.3 5.6 1.6 1.3 . 4 . 7 . 3 10.8 SSE - 1 1.1 . 8 1.0 • 1 . 3 . 1 . 3 . 1 . 4 10.5 SSW - 1 3.0 . 2 6.5 . 1 . 3 . 4 • 2 . 1 5.3 7.7 . ] . 1 ٠ ١ NK • 1 12.0 . 1 NNW CALM 7.0 ///// 1.1 . 1 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF RECORD: HONTH: NOV HOURS(LST): 0300-0500 41-47 48-55 GE 56 TOTAL (DEGREES) | MIND N .... . 2 2.0 NNE NE . 4 2.7 . 7 . 8 . 1 4.7 ENE 2.6 6.7 3.0 • l . l . 1 14.8 5 . R £ 13.9 • 3 . 3 . 3 32.7 7.5 ESE 6.1 8.3 2.1 . 3 . 2 . 3 . 1 18.4 8.6 SE 3 • 1 4.6 1.1 1.1 . 4 • 2 . 8 . 1 11.9 11.0 SSE • 3 .6 1.0 . 3 • 8 . 8 .6 4.3 12.7 s .2 . 1 . 3 . 7 9.7 SSW . 1 • 2 - 1 4.8 SW . 1 • 2 . 1 . 3 0.8 HSH . ì . 4 . i 6.2 . 1 • 2 • l 1.0 7.9 MNW . 3 10.3 Νw . 1 2.0 NNW • 1 . ! 2.0 VARIABLE | 1.3 CALM 6.7 ////// 1.0 . 1 100.0 1.6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FPEQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER									HONTH:		HOURSILS	-86 TJ: 0630-	3800
	••••••	• • • • • • • •	• • • • • • • •	••••••	w I N	O SPEED	IN KNOTS		• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • •	••••••
DIRECTION   (DEGREES)	Ì					22-27						10TAL 3	ME AN LINU
N !			• • • • • • • • •	• • • • • • • • •	•••••	•••••	• • • • • • • •	•••••			•••••	•••••	•••••
NNE	•1											. 1	2.0
NE	• 7	3 - 1	1.0	• 1								4.9	5 • 2
ENE	2.1	b • 1	3.9	•2								12.4	5.7
E	2.9	12.4	14.3	2 • 1	• e	• 1		. 1	. 1			32.7	7.4
ESE	1 - 1	5.9	9.4	1.6	1.0	• 1	. 4	.2		• 1		19.8	9 • 1
sr	.4	3.3	4.7	1 • 3	1.0	. 6		. 4				11.8	10.4
SSE		• •	1.1	•6	• 1	1.1	• 2		• 1			4.1	15.1
s	. 1	•2	. 4	•2								1.0	7 . R
SSW	• 2	. 1	• 2	•1								. 7	6.5
SW	• 2	. 3	• 3									. 3	5.0
พรษ [	• 3	.7										• 6	3.6
u j	. 4	• 2	• 2									• 9	4.5
LNU			• 1									• 1	10.0
NW			• 2									• 2	7.5
NNH			• 1									• 1	7.0
VARIARLE				• • • • • • • • •	• • • • • • • •		• • • • • • •		• • • • • • •		• • • • • • •		4.7
İ						,,,,,,,,,	,,,,,,,,		,,,,,,,,,	,,,,,,,,	,,,,,,,,		
TOTALS	9.4					1.9				.1			7.4

TOTAL NUMPER OF ORSERVATIONS: 698

0

GLOBAL CLIMATOLOGY BRANCH USAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OPSERVATION.

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOU OF RECORD: #CURIUM OF RECORD: 77-86

#ONTH: NOV HOURS(LST): 0200-1100

#IND SPEED IN ANOTS

UPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 20-77 10-10 11-16 17-21 22-27 28-33 34-40 41-47 4P-55 GE 56 IDEGREEST ! WIND N .... - 1 . 1 -} • C NNE . . F . 9 . 7 . 1 NE. . 7 2.0 . 7 . 3 • 7 1.9 6.3 ENE 2.0 4.2 • 2 • 2 7.0 13.7 6.9 Ε 2.1 11.6 13.2 1.3 . 6 . 4 . 1 . 1 29.4 7.6 ΕSE . 7 **6 •** D 8.6 1.3 . 3 • 2 • 2 17.4 8.2 SE 1.0 . 9 10.6 SSF . 1 17.6 ٠ ٢ 1.1 9.4 5 S ¥ . 1 . 1 . 1 ٠, 1 1 . 3 . 1 . 1 . 1 4 . 4 WSH . ? . 4 . 3 - 5 1. 6.2 . 2 . 2 4.9 WNW N. . 1 . 1 7.5 NNW VARIABLE CALM 11.1 ///// 

77-86

GLUMAL CLIMATOLOGY BRANCH USAFLTAC AIR MEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

TION NUMBER:	: 042023	STATION	NAME:						MOUTH:		HOURS(LS	-86 []: 1200-	1400
DIRECTION   COEGREES)	1 - 3	4 - 6		11-16	# [ † 17-21	0 39FEU 75-55		34-40	41~47			TCTAL 2	ME AN WIND
N Į	• • • • • • • • •		.2	• • • • • • • • •		• • • • • • • •						. 3	R.3
NNE !				. 1								. 1	14.0
NE !	. 9	?	. 4	. 0	.3							4.3	6.7
ENF ]	1.2	7.1	3.7	. 3	. 1	- 1						12.6	5.2
E	2.6	12.3	13.4	1.7	. 9	• ?						31.1	7.1
ESF	.6	4 • C	9.8	1.8	.4	. 2	. 1					16.9	8.5
\$E [	.4	3. P	5.8	1.4	.9	. 8	. 4	. 4				13.2	11.3
SSE	.1	1.3	1.7	.8	• 2							4.1	9.7
5 !		. 1	• 1	•?	. 1	. 1						. ?	11-1
SSH I			- 1									• 1	10.0
sw 1	.1	• 2	• 1	• 1								.6	6.2
wsw 1			• 2									. ?	٩.0
		• A	.7	. 1								1.3	5.8
KNW 1		. 1	. 1	• 1								. *	7. 3
N=		. 6.										. 6	4.2
tina 1	. ?											. ?	2.0
VARIABLE	1.4				• • • • • • •	• • • • • • •		• • • • • •	• • • • • • •		• • • • • • •	2.6	4.3
CREM	,,,,,,,,	///////	,,,,,,,		1111111	,,,,,,,	,,,,,,,,	111111	///////	,,,,,,,,	,,,,,,,	10.6	/////
FOTAL"	A • C	36	36.1	7.3	3.0	1.4	. 6	. 4				140.0	1.n

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND UIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

AIR WEATHER SERVICE/MAC

FERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700 THULF AB GL 41-47 48-55 GE 56 TETAL MEAN t ₩1ND IDEGPEEST ! N | 9.0 . 4 NNE . ì . 1 • 1 . 1 4.7 5.5 ٧r 3.2 1.1 • 5 ENE 5.2 12.8 6.4 2.1 2.6 12.3 13.8 3.1 33.0 7.6 Ł ESE 1.0 4 . B 6.9 2.4 ٠. . 3 . 2 15.9 5.9 . 4 3 . F 1.8 . 3 • l 11.6 SE 2.1 . 1 . 2 . 1 3 . R • 6 551 . 1 1.1 1.3 10.3 . 4 1.4 e . n 5 . . . 4 . 1 . 1 . 9 4 . 6. SSW • 2 . 4 . 1 . . 54 • ? 2.0 . 1 . 2 . 1 . 2 . 7 7.3 . ? • 2 . 4 l . i 7.1 . 1 . 2 . .? 7.4 NW . 1 5.7 -. 1 . 1 10.4 ///// CALM 100.0 .6 101ALS

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

FERIOD OF RECORD:

77-86

AIR WEATHER SERVICE/MAC

STATION NUMBER: C42020 STATION NAME: THULE AB GL

MONTH: NOV HOURS(LST): 1940-2040 WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 TETAL MEAN WINE (DEGREES) 1 N 15.0 • 1 . ? 7.0 NNE . 1 . 1 5.0 Νf . 2 • 2 6.2 ENE . 4 13.1 1.8 4.7 4.2 E 2.6 10.9 15.8 2.0 32.3 7.4 15.4 9.2 • 2 ESE 1.2 3.4 7.3 2.6 . 4 . 1 . 3 10.9 . 3 10.2 SF . 9 3.8 1.1 . 4 3.6 4.9 11.5 . 7 1.1 . 4 . 1 SSE . ? 1.8 9.4 2.4 s . 7 .6 . 2 . . • 8 9.2 SSW . 1 . 2 • 2 . 6 6.3 54 • 1 • 2 . 4 • 2 . 1 . 6 4.2 . 6 . 3 . l 1.0 3 . A 44 NNH 1.3 1.2 .6 10.6 ///// CALM 100.0 . 6 31.1

GLUBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY ORSERVATIONS

	• · · • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	WIN	D SPEED						• • • • • • • • • •	•••••
IRECTION   Degrees)	1 - 3	4-6	7 -10	11-16		22-27			41-47	48-55	GE 56	TCTAL 1	ME AN HINU
N	- 1	•••••	• • • • • • • •	.1			•••••	• • • • • • •	• • • • • • • •			. 2	٩.0
NNE			. 1									. 1	e.n
NE I	. 9	2.6	1.2	. 1								4 . R	5.6
ENE	.6	7+6	3.1	. 7	• 2	. ?						12.3	6 <b>.</b> P
F	2 . B	12.9	14.8	1.7	. 4	. 3	. 1					33.0	7.2
ESE	. 9	4.7	9.2	1.3	. 3	- 1		• 3				16.9	8.5
SE	• 3	3.3	2.9	2 • 1	. 3	. 9	.6	• 1	. 1			10.7	11.7
SSE	• 3	• 7	1.1	.4	. 4	. 3		• 1				3.4	11.5
s	• ?	• 2	.6	• 2	- 1	• 2						1.6	10.6
SSW 1	• 1	• 1										• 2	4.6
Sw j	• ?	.2										. 4	4 • D
wsw 1	• 1	. 4	. 1	•2								. 9	6.4
-	• <b>4</b>	. 4		. ?	• 1							1.2	6.6
นทน [		• 2										. 2	5.0
NW I	• 1			• 1								• ?	7.5
NOW		• 1										. 1	••0
VARTABLE	2.1			• • • • • • • •	• • • • • • •		• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	3.4	3.8
CALM .	,,,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,	1111111	,,,,,,,,	,,,,,,,	10.2	,,,,,,
TOTALS	9.7	34.3	33.6	7.2	2.0	2 . 1	. 7	.6	.1			100.0	7.1

GLOUAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND OFFECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

100.0

7.2

PERIOD OF RECORD: STATION NUMPER: 042020 STATION NAME: THULE AB 5L HONTH: NOV HOURS (LST): ALL WIND SPEED TN KNOTS DIRECTION 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TETAL MEAN 1-3 7 -10 11-16 HIND (DEGREES) | 7.1 • 0 . 1 • 0 • 0 • 0 . 1 .0 .0 . 3 ۹.5 NNE . 1 • C 4.5 6.0 . 8 . 5 2.6 . 3 . 1 ME 6.0 ENE 1 . B 6.9 3.8 . 4 - 1 . 1 • 0 • 0 13.2 7.4 . 7 • 0 32.2 . 3 • 13 . 1 Ł 2.5 12.3 14.3 2.0 ESE 1.9 . 5 . 1 . 1 • 2 .0 . 0 17.2 8.7 • 0 . c 11.9 11.0 Sŧ • 5 3 • 3 • 3 5.9 11.4 SSE • 2 ۹.4 5 • ? . 4 • 3 • 3 . 1 . 1 6.4 • 0 SSW - 1 ٠1 • 1 • 5 s. . 7 • 2 SW • 7 • 1 • 1 . 7 6.1 WSW . 2 . 3 - 1 . 1 5 . R • 2 1.1 . 4 ٠1 . 0 7.F • n • 1 ٠ ١ .. . , 1.2 • 0 • 1 • 0 . 0 5.2 • 1 • 0 5.0 VARIABLE 1.0 • 0 • 0 • 0 2.9 9.3 ///// 

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

WIND ... 3.3 NNE . 2 ٠ ١ - 1 5.C . 6 NE . 8 1.8 1.0 . ) . 3 4.0 6.5 ENE 5.7 ٠٩. 1 . 2 £ . 7 . 1 • 2 14.6 6.8 Ε 3.1 11.5 13.0 1.9 . 5 . 3 30.4 7.2 ESE . 3 4.4 7.4 1.9 . 4 15.6 8.6 SF . 9 . 5 . 1 • 1 11.9 9.8 SSE 1.0 . 5 . 5 3.7 13.1 s . ! 1.7 15.9 . 3 . 4 - 1 . 9 R . 9 • 2 . 3 . 5. 3.0 wsw . 3 . 3 1.0 5.9 . 9 . 2 • 1 1.2 4.4 6 NW . 1 . 1 • 1 5.3 . 4 WW . 1 • 1 5.2 LNW - 1 . 3 4.5 VARIABLE CALM 8.5 ///// TOTALS 32.8 7.7 2.9

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

STATION NUMBER	8: 042023	STATION	NAME:	THULF AB	· GL				PEPIOD MONTH:	DEC		-86 11: 8330-	σs ce
DIRECTION ( OFGRIES)		4 – 6	7-10	11-16	w I t 17-21	10 SPEED 22-27	IN KNOTS 28-33		41-47	48-55	GE Se	TOTAL	ME A % #1%0
N	.1			• • • • • • • •	• • • • • • •	• • • • • • • •	•••••	• • • • • • •				-1	2.6
MME	. 1	.2										• *	4.()
NE	.5	2.2	1 • 3	• 2								4.0	. 1
ENF	1.1	7 . 3	4.1	. 4	. 8	• 2						13.5	7 • 1
E	2.3	11.5	13.5	1.9	. A	. 3		. 1				30.4	7.4
ESE	1.0	6.3	7 . f.	1.3	. 3	• 5	• 1					16.6	7.4
Sf.	1.5	3 • E	4.0	1.2	• 8	. 3	• ?					11.	× • °
181	. 1	4.1	. 0	1.1	. 4	٠ ٦	• 1	• 1				4.0	11+?
\$	.1	• ?	. 4	.9	. 5	. 3						2.5	1 * • 9
:5H		- 1		.1	. 1							.,	11.7
S w	. 1		. 1									•.7	ų . <sup>t.</sup>
#5#		. ?	• 1									. 6	4.7
•	.4	. 1										1.0	ų <b>,</b> F
u N W	. 1	. 2										. •	4.0
Peral	. 1											. •	
PETe we	. 1	. 1	• 1									. '	6.5
VARTAFLF	1.6			• • • • • • • •			• • • • • • • •	• • • • • • •			• • • • • • •		9.2
ceta		///////	///////	(1111111)	11/1////	,,,,,,,,	////////	1111111	,,,,,,,	///////	,,,,,,,	9.9	111111
to tals	 	\$4.9	32.0		3,7	2.2	. 4	.2				190.0	7."

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMPER: 042023 STATION NAME: THULF AB GL

PERIOU OF RECORD: 77-86 MONTH: DEC HOURS(LST): 0600-0800 WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 4 - L 41-47 48-55 GE 56 11-16 TOTAL MEAN COEGREES) | WIND N • 1 3.0 NNE . 1 . 3 . 4 4.0 NE 2.6 .6 . ? 1.1 5.2 6.7 ENE 1.4 5.3 4.0 . 6 . 8 . 3 • 1 . 1 12.6 7.9 £ 3.2 11.8 14.9 2.7 • 2 . 1 33.0 7.2 ESE 1.0 6 • 0 8.0 1.0 . 2 . 7 . 1 SE 1.5 3.4 1.0 1.3 . 3 . 3 10.9 11.0 SSE • 1 1.0 . 6 . 9 • 5 . I 3.2 10.9 S . 1 . 8 1.0 2.7 14.7 SSW . 2 . 2 6.0 SW . 3 4.0 . i . 1 . 2 3.0 • 2 . 3 KNW . i . 2 . 3 6.3 . 5 New 4.0 NNW . ì 7.0 VARIAPLE ! 1.4 CALM 9.0 ///// TOTALS 33.1 100.0 7.2

GLOBAL CLIMATOLOGY BRANCH
PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC
AIR MEATHER SERVICE/MAC

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
HONTH: DEC HOURS(LST): 0900-1100

IRECTION !	1 - 3	4 - 6	7-10	11-16			IN KNOTS						
DEGREES)		4-6	7-10	11-16	17-21		28-33		41-47	48-55	66 29	T(TAL	ME AN Wind
N I	• 1	• 1					•••••			••••••	•••••	. 2	3.5
NIVE	-1	• 1		• 1								. 3	6. 1
NE I	1 • 2	2.7	1.0	• 2	. 1	- 1						4.7	6.0
ENE	1+0	6.0	4.5	1.1	. 4	• 1						13.1	1.2
E	1.9	1 3. 7	13.0	1.9	.8	. 1						31.3	7.1
ESE	1.5	5 <b>-</b> 8	8.4	2.0	• 6	. 3	- 1					18.6	F.O
SE	2.2	4.1	2.8	. 9	. 4	. "	. 6		- 1			11.6	9.3
SSE	. 4	. 9	1.1	1.4	.8	. 1			• 7			4.8	12.1
s	• 3	• 1	.5	. 1	• 2							1.3	9.5
SSW			• 1									. 1	10.0
SW .		• 3	• 1									. 4	6.0
wsw	• 2	. 4		• 1								. 8	9-1
· i	• 1	. 8		. 1								1.0	4.Я
RNA	• 1	. 1										. 7	3.5
NW	- 1	. 4										, t	4.0
444													
VARIABLE	1.5	. 6	1.0	2	• • • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	3.4	
CAL"	,,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,	,,,,,,,,	1111111	,,,,,,,	7.3	/////
TOTALS	10.6	35.7	32.5	F.2	3.3	1.3	. 8		. 3			100.0	7.1

GLUBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/PAC

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1200-1400 wind speed in knots DIPECTION 17-21 22-27 28-33 34-40 IDEGREES) 1 WIND N NNE • 1 • 1 . 2 9.0 NE 1 • 1 2.3 1.0 4.3 5.0 ENE 2.8 4.5 13.9 6.5 E 3.1 1.8 . 3 32.6 7.3 FSE . 2 1.7 6+5 7.1 1.5 . 4 17.4 7.4 S.F. 1 - 2 . 7 4.2 3.3 . 4 . 1 .6 - 1 11.3 9.8 5 S F - 1 1.0 1.5 . 9 • 5 . 1 . 1 4.2 10.7 S . 1 . 2 . 5 . 4 - 1 1.4 11.9 5 S W . 1 . 1 . 1 6.4 SH • 1 . 1 10.0 · i 5.3 • 2 . 6 • 1 1.0 4 . A 4.0 NH . i • 1 5.8 NNE - 1 . 1 5.0 VARIABLE ! CALM 7.7 ////// 100.0 . 2 .5 . 1 6.9

GLOHAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FPEQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF RECORD: 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 (DEGREES) | ₩IND 3.5 . 1 . : ME . 1 8.0 . 1 NE 4.8 5.9 2 . B . 5 . 3 1 - 1 . i ENE 1.8 6.2 4.5 . 8 • 2 13.5 6.3 32 . R Ε . 9 3.2 12.9 13.5 2.3 7.1 ESE 1.4 4.8 7.8 2.0 . 9 . 2 17.2 8.4 Sŧ 1.7 3 . R 2.9 . 8 1.0 . 4 . 4 10.2 9.6 5 S E . 7 • 2 . 2 9.0 • 2 1.0 9.7 . 3 • 2 • 2 . 8 8.0 SW . 2 . 4 5.8 • 1 . 1 . 3 . 4 5.0 # S W - 1 1.0 • 5 . 1 4.6 UNU . 2 . 4 2.9 • 2 NU NNW . 1 VARIABLE I CALM 7.8 ///// TOTALS 3.3 1.0 100.0

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

	• • • • • • • • •	• • • • • • • •		• • • • • • • •		D SPEED	IN KNOTS	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •	•••••
TRECTION   DEGREES!	1 - 3	4 - 6	7 -10		17-21	22 - 2 1	28-33	34-40				TCTAL 2	ME AN NINL
N	• • • • • • • • •	. 1	.1	• • • • • • • •	•••••	• • • • • • • • •	•••••	•••••	• • • • • • • •	• • • • • • • •	•••••		6.5
NNE		. 1	. 1									. 2	7.0
NE.	• 3	2.3	1.0	. 2	- 1							3.9	6.6
ENE	1 - 3	8.0	4.7	.6								19.6	5.1
ξ	3.0	13.3	12.6	2.6		- 1						31.6	6.7
ESE	1.0	5.6	7.8	2 • 2	. 4	. 7	. 3					17.4	h. c
SE .	1-1	4.3	1.9	1.1	• 6	• 2	.6					9.9	9.0
SSF	• 1	•1	. 8	. 9	• 5	1.0	• 2					3.4	16.7
s	• 1		• 3	• 5								1.9	9.7
SSW		• 2	• 1									. *	6.3
SE		. 3	• 3									.6	7.0
WSW	• 2	• 1										. *	7.7
w	- 1	• 3	. 4	• 1	• 1							1 - 1	8.0
NNN	• 1	. 3	. 5									1.0	6.7
NW I			• 1									• 1	9.0
นหน		• ?										• 2	6.0
VARIABLE	2.6	1.4	.5		• • • • • • • •	• • • • 1	•••••	• • • • • • •	• • • • • • • •			5.0	4.8
CALM 1/	11111111	1111111	11111111	11111111	,,,,,,,,	11111111	,,,,,,,,	//////	11111;11	,,,,,,,,	,,,,,,,	9.0	111111

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL PEPIOU OF RECOPD: MONTH: DEC HOURS(LST): 21JD-23DD

WIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 13-16 17-21 27-7 -7 -7 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 DIRECTION 1 7-10 MEAN IDEGREES) ! t WIND N **-** 1 • 2 3.7 NNE • 1 .2 4.0 . 1 NE. 1.0 2.9 • 3 • 1 . 2 4.5 5.7 ENE • 3 13.3 6.6 £ 2.0 12.7 1.7 • 2 7.1 ESE 1.4 . 3 8. 1 - 1 . 1 16.1 SE 2 . A 1.1 . 8 . 5 1.0 4.4 1.1 11.7 11.2 . 0 SSE . 4 • ? ۰, . 4 . 7 . ? 5.8 14.0 S . 4 . 4 . 1 . 2 . 2 1.4 12.6 53 M . 3 . 1 ٠, ۲ . 2 SW . 1 4.7 6 S W . 4 . 4 . 1 1.0 3.7 -5.0 NW . 1 • 1 7.5 NNW 5.0 . 1 - 1 7.0 - 1 9.0 ///// TOTALS 5.7 2.7 31.2 1.9 100.0 1.6 . 6 7.2

GLOBAL CLIMATCLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AIR WLATHER SERVICE/MAC

PERIOD OF RECORD: 77-86 MONTH: DEC HOURSTESTE: STATION NUMBER: 042023 STATION NAME: THULE AR SE 411 #IND SPEED IN KNOTS -10 11-16 17-21 22-27 28-33 34-40 DIRECTION | 7-10 41-47 48-55 6 TETAL MEAS (OLGREES) | 4.1 to N 1.7 ı. • 0 . 1 C . 4 NNE ٠١ • 1 • 0 . 0 . 9 2.4 . 8 . 2 4.0 NE . 1 . 0 € • 1 1.5 ENE 6.5 4.5 • 6 • 3 . ? • G 15.7 4.4 E 2.7 12.4 13.5 2.1 . 5 . 2 ٠0 31.5 ESE 1 . 2 5.5 7.7 . 5 ٠, • 1 SE 1 - 3 3.9 3.2 1.0 . 3 • 0 . 1 . 1 11.1 4.4 . 2 1.0 . 9 . 5 . 1 • n 1 . . . 5 . 3 . ? • 0 .n 16.9 5 • 1 . 1 1.+ • C . 2 ٠1 .0 5 S W ٠1 7.8 . . . SW . 1 . 2 . 1 • C • 2 . 3 k S W - 1 . 1 4.7 • • . 5 . 2 **-** n . u . 12 . . 4 WNW . 1 . 2 . 1 ٠.١ ٠.١ • 1 . 2 . 1 14.2 • 3 NNW . 1 . 1 • G 4.4 • . . . 4.9 1.5 9.5 ////// CALM TOTALS 100.0 7.0 1.7 . 1

GLUGAL CLIMATOLOGY BRANCH PEPCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED USAFETAC FROM HOURLY DRSERVATIONS.

				• • • • • • • • •			IN KNOTS			• • • • • • • •		• • • • • • • • •	
TRECTION I DEGREESE I		4 - (			17-21	22-27	28-13	3 <b>4 - 4</b> ()			•	JAT)T Z	ME AN WIND
N	.1	• • • • • • • • • • • • • • • • • • • •	. 1				•0			• • • • • • • •		. 4	5.R
NNI	. 1	• ?	٠١	• 1	•n	٠ ١٠						. 4	6.4
nt i	.1	1.6	. 7	. ?	. 1	٠. ٢	• U	. 0				3.1	4.4
ENE	1.7	4.7	2.2	.4	. 1	• 1	• 0	• 2	• C	• [		2.1	٠.٥
1	4 - 1	10.3	6.4	1 • 4	. 4	. 2	• 1	- 1	• 0			27.5	€.€
ESE	1.5	4.0	3.8	1.3	.5	. 1	• 1	• 1	• 10	• 0		11.6	9.4
58	. 7	1 . P	2.3	1.5	. 8	. 5	• 3	. 1	• 0	٠,		7.9	11.4
SSC	. 3	٠,	. 9	1 - 1	.6	. 4	• 2	. 1	•11	٠,		4 . f;	1 7 + 3
5	• 2	. 3	. 5	•5	• 2	. 1	• 0	• 0				1.9	11.6
SSH	• ?	. 1	• 1	•0	•0	• 0						. 4	5.6
Sw	. 4	. 3	• 1	• 13	•0							. 4	4 . 1
<b>≈5≅</b> [	1.5	. 7	• ?	.0	•0							2.3	3.6
-	5 • 1	4.1	• F	. 1	•0	. n						10.7	3.6
W116	1 • 2	1.2	• 2	•0	•0					. r		7.6	3.9
few	. 4	٠, ۲	• 1	• 0	.0							• 6	4 . (1
NNW I	•?	• 1	• 0	•0								. 4	4 • 1
VERTABLE	1.9	1.1					•0			• • • • • • •		3.3	
CALM !	,,,,,,,,,	////////	11111111	,,,,,,,	,,,,,,,	/////////	,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	17.3	/////
TOTALS	20.0	31.4	12.3	6.7	2.7	1.6	. 7	. 3	. 1	. 0		100.0	5.7

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRINCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL

STATION NUMPER: D42020 STATION NAME: THULF AB GL PEPIOU OF RECORD: 77-A6
HORTH: ALL HOURS(LST): ALL
CFILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE UP MORE
AND/OR
CLILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

1							IN KNOTS						
DIRECTION   TOEGRIFSE	1 - 3	4 - 6	7 -10	11-16	17-21	22-27	28-33	34-40	41~47	4 P - 5 S	GE 56	TCTAL %	MEAN WIND
N [	• 2	• 1	. 1	.0			••••••					. 3	4.5
NNF	•1	- 1	• n	. 1)								. 2	6.0
NE.	• 3	. 3	• 2	• ?	. 1							1 • n	7 • n
ENE !	. 9	. •	. 5,	. 4	. 3	. 2		• 0				3.2	B . 7
٤	2+1	2.4	1.4	. 9	. 7	. 9	• 7	. 1	• 6			P . 6	٥. د
ESE	1.0	1.4	1.0	••	1.0	1 • ?	.5	• 3				7. *	14.1
SE	.5	. 4	. 7	1.5	1.6	1.6	.8	. 3	- 1			7.6	18.3
SSF	• 3	. 3	. 4	.9	1.0	1.1	.5	- 1	.0			4 . 6.	18.3
s	• 1	• 2	. 4	.6	• 2	• 2	• 0	.0				1 . 6	17+7
SSH	•1	. ;	• 2	. 1								. 7	6.6
54	• *,	.6	. 7	.2								1.5	5.3
wsw t	?.4	1.2	. 7	- 1								4.0	3 . 8
w	10.7	£.4	1.8	. 3	•n	• ^						21.3	* , c
₩0₩	3.2		.4	. 7	• 0					• 0		6.5	3 . H
N. No.	1.7	•6	• 1	. "								1 • 7	3.6
NN=	.4	.7	. 1									. 1	3.7
VARTARLE	1.6				n							2,8	5.0
j	1//////////////////////////////////////												/////
LAL!!		,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,	20.3	,,,,,,
TOTALS	25.4	21.7	A.C	€. • ₹	5 • N	5 • 2	2.1	. 7	• 2	• 0		100.0	6.3
												• • • • • • •	

 PPPPPPPP
 AAAAAA
 RBRRRRR
 TITTITITI
 DCD0ELD0

 PPPPPPPPP
 AAAAAAAA
 RGRRRRRR
 TITTITITIT
 DCD0ELD0

 PP
 PP
 AA
 AA
 RR
 RT
 TT
 DD
 DD

 PP
 PP
 AA
 AA
 RR
 RT
 TT
 CD
 DD

 PPPPPPPPP
 AA
 AA
 RR
 RT
 TT
 CD
 DD

 PP
 AAAAAAAAAAA
 PRHPRRRR
 TT
 CT
 BD

 PP
 AAAAAAAAAAA
 PRHPRRRR
 TT
 CT
 BD

 PP
 AAAAAAAAAAAA
 PRHPRRRR
 TT
 CT
 BD

 PP
 AAAAAAAAAAAA
 PRHPRRRR
 TT
 CT
 BD

 PP
 AA
 AA
 AR
 RR
 TT
 CT
 CD

 PP
 AA
 AA
 RR
 RR
 TT
 CT
 CD

 PP
 AA
 AA
 AR
 RR
 TT
 CT
 CD
 CD</

0 - 1 - 1

#### CETLING VERSUS VISIBILITY AND SKY COVER SUMMARIES

#### CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A REFVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "Q" THROUGH EQUAL TO OP GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIPILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FRECUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

#### NOTES

BEGINNING IN 1948, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR RLANK.

AS A PULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OF GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISPEDATION.

FOR METAR CIVILIAN STATIONS PEPORTING "CAVOK", ALL CEILINGS AROVE 5000 FEET WERE SUPPESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

#### SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY CALL YEARS COMPINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAP	-	0710
SCATTERED	-	3/10
BRCKEN	-	9/11
OVERCAST	-	10/10
GBSCUPED	-	10/10

#### PERCENTAGE FREQUENCY OF OCCUPPENCE OF CELLING VERSUS VINIBILITY FROM HOUDLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEWIOD OF MECORU: 77-86
MONTH: JAW HOURS(LST): 0000-0200

												: J#0		11.211:		
EILING IN I	GE	GE					V 1 5 1 9	RILITY	IN STATU	TE MILE	5					
IN I FEET I	10	6E	GF 5	5 € •	GE 3	GE 2 1/2	G E 2	1 1\s	GE 1 1/4	GE 1	6E ₹74	G ( 5 / 8	6 E 1/2	GE 5/16	GE 174	GF O
• • • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •
LETL																
200001																
160001																
140001																
120001																
100001																
90001																
10008																
70001																
96.00 L																
50001			88.0	90.0	90.9	91.3	21.3	91.5	91.5	92.1	92.6	92.6	92.7	92.7	97.4	95.8
45 an i			88.3	90.3	91.2	91.3	91.6	91.9	91.9	72.4	7.56	93.0	93.1	93.1	93.7	54.2
40001			8 A . 7	90.6	91.5	71.6	92.0	92.2	92.2	72.7	93.3	93.3	93.4	93.4	94.1	94.5
3500 } 3000 }			88.9	91 - 1	92.0	92.1	92.4	92.6	42.6	93.2	91.7	93.7	93.8	93 • H	94.5	94.9
31:004			89 • 2	91.5	92.6	92.7	93.1	93.3	93.3	93.8	94.4	94.4	94.5	ე4 ∎ ნ	45.5	45.9
25001			87.5	91.9	93.0	93.1	93.4	93.6	93.5	94.2	94.7	74.7	94.9	94.9	95.8	96.5
20001			911.6	92.3	93.4	93.5	93.8	94.1	94.1	74.6	95.0	45.2	75.4	95.4	26.3	96.7
18001			9() • 4	92.7	93.8	93.9	94.3	94.5	94.5	95.0	95.6	35.6	95.8	95.8	96.7	97.1
15001			90.5	92 •8	94 • 1	94.2	94.5	94.7	94.7	75.3	9 t . A	95.6	96.0	96.0	95.9	97.4
12001			911.6	93.0	94 • 2	94.3	94.6	94.6	94.R	75.4	96.1	96.0	36.3	06.3	97.1	97.6
10063			90.9	93.2	94.4	94.5	94.8	95.0	99.0	95.€	96.3	96.3	96.5	96.5	97.4	97.8
• un I			90.9	93.2	54.4	94.5	94.8	95.0	95.D	95•t	96.3	36.3	96.5	96.5	97.4	57.8
8501			91.C	93.3	94.6	94.7	95.0	95.3	95.3	95.8	96.5	36.5	96.7	96.7	97.6	98.0
7001			91 • C	93.3	94.6	34.7	95.C	95.3	95.3	95.6	94.5	96.5	96.7	96.7	97.6	98.0
600 J			91.2	93.5	94 . A	94.9	95.3	95.5	95.5	96 • D	96.7	96.7	36.9	36.9	97.8	98.2
5001			91.2	93.5	94.8	74.5	95.3	95.5	95.5	26.0	91 7	96.7	97.4	97.4	98.2	96.7
4001			91.2	93.5	94.8	94.9	95.3	95.5	55.E	76 . U	94.7	95.7	97.5	97.6	78.5	99.1
tan t			91.2	93.5	74.9	94.9	95.3	95.5	95.5	26 • 0	94.7	76.7	97.5	97.6	98.8	99.4
1001			31 · 2	93.5	94.9	94.9	95.3	95.5	95.5	26.1	94.0	96.6	97.6	97.7	98.9	99.6
1901			91.2	93.5	94.9	94.9	95.3	95.5	95.5	96.1	96.0	95.8	97.6	77.7	94.9	00.6
0			91.7	93.5	94.8	74.9	95.3	95.5	95.5	96.1	96.6	96.8	97.6	97.7	98.9	100.0

TOTAL NUMBER OF URSCRVATIONS: "109

## PERCENTAGE FREQUENCY OF GCCURPERCE OF CEILING VERSUS VISIFILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: T	THULE AR GL	LELICE OF	E EFCORD	: 77-64
		HONTH:	JAN H	OURS (LS

STATION NUMBER: 042020									HONTH:	: JAN		LSTI: 1		
CEILING 14   GE GE FEET   10 6	GE 5	5 E	G L 3	GE 2 1/2	V I S I F G L 2	RILITY I Gr 1 1/2	N STATU GE 1 1/4	OF ALE	S GE ₹/4	G I 5 <b>/</b> E	SE 1/2	6E 5/16	5E 174	GF G
NO CETE 1														
67 200001 66 180001 67 140001 66 140001														
6F 10000  6F 2000  6E 8000  6E 7000  6F 6000														
6E 50001 6E 45001	яп. 3 88.6	89.9 93.2	90.5 90.9	90.7 91.1	91.2 91.5	91.5	91.5 91.9	92.2	92.5	92.2	92.4 92.8	9.1.5 92.9	92.9 93.2	93.0
68 40001	89.4	91.4	92.1	92.3	92.0	93.1	93.3	73.A	y t a	93.8	94.0	54.1	4 4	94.5
6f 35uBl	67.7	91.4	92.4	92.5	93.1	95.4	93.4	94.1	94.1	99.1	94.3	04.4	,4.5	44.9
GE 2000]	89.7	92.1	97.8	93.0	97.4	93.8	¥3.8	94.4	94.4	34.4	94.5	95.iJ	91.3	95.5
6F 25001	90.0	22.2	02.0	93.1	07.1	93.9	93.9	94.5	94.5	24.5	94.9	95.6	95.15	35.0
GF 2001	89.9 90.3	92.6	92.9 93.3	93.5	93.5 94.0	94.3	94.3	95.0	95.0	95 • C	95.3	95.7	76.D	90.2
UE 18001	20.3	92.6	93.2	93.5	94.0	94.3	94.3	95.6	96. 7	95.0	45.3	95.7	+6+O	96.
6E 15001	96.6	73.0	93.5	93.9	74.3	94.6	94.6	95.3	95.3	95.3	95.7	96.0	6.3	96.5
6F 12U0	90.6	93.0	93.6	73.9	94.3	94.6	94.6	95.3	95.7	95.3	95.7	96.11	46.3	96.5
6E 10001	91.0		5.6. ()	20.		0.1	95.7	95.9	96.0	96.6	96.3	26.7	97.0	41.3
66 1000  55 200	91.u	93.3 93.5	94.0 94.0	94.2	94.6 94.6	95.U 95.D	95.0	05.9	94.0	96.0	96.3	96.7	17.0	97.
66. 8001	91.6	93.3	94.0	94	94.6	95.0	95.0	95.9	96.1	76.1	96.4	76.0	97.1	97.3
6F 7UD1	91.0	93.3	94.0	94.2	94.6	95.6	95.0	95.9	96.1	26.1	95.4	96.8	97.1	91.5
cr engl	91.0	93.3	94.0	94.2	94.6	95.0	95.0	95.9	96.1	46.1	96.4	96.9	÷7.2	97.4
GE 5001	71.C			·			95.2	e6.1	96.1	96.3	96.9	97.3	27.7	97.4
5E 4001	91.1	93.4	94.1 94.2	94.3 94.4	94.8 94.9	95 . ; 95 . 3	95.3	06 • 1	96.4	96.4	97.0	91.4	91.8	76.0
68 3001	91.2	93.4	94.3	94.5	95.0	95.4	95.4	96.3	96.5	96.5	97.0	97.7	97.h	78.6
6F 2001	91.2	93.5	94.3	94.5	95.0	95.4	95.4	96.3	96.5	26.5	9/.3	97.9	98.6	99.1
GE 1001	91.6	73.5	94.3	94.5	95.0	75.4	95.4	96.3	96.5	96.5	97.3	97.8	98.6	94.4
·			•		. • **	. • .			-					
GE OF	91.2	93.5	94.5	74.5	94.0	75.4	35.4	76.5	97.5	26.45	97.3	78.6	99.B	100.0

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VEHSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER:	092020	STATION NAME:	THULE AP GL	

				STATE								MONTH		HOURS	(LST): 1	.,	CC
	LING	• • • • • •	••••	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •			IN STATU			• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
FE	#       ET	10	6 £	GE 5	5 € 4		6E 2 1/2	S E	G E 1 1/2	GL	G E I	6E */4	5 / H	5£ 1/2	6E 5716	6£ 1/4	C f U
110	CEIL																
6 F 6 E	20000  18000  16000  14000  12000																
6 E 6 E 6 E 6 E 6 E	105.09   9000   8000   7000   6000																
6.6	Shun!			88.6	63.9	90.5	21.0	91.7	22.2	92.2	97	· · · ·	92.3	v!.7	93		93.3
6 i	45001 46001			88.1 88.7	93.0 96.5	97.8 91.3	91.1 91.6	91.9 92.4	92.3	97.3 95.8	92.3	97.4 98.1	93.4	93.1	94.1	97.3 94.1	93.4 94.7
ωf	3500 I			89.6	70.9	91.6	2.5	92.7	93.2	93.2	93.3		91.4	04.7	94.4	44.4	94.5
GF	3e 0 0 1			A 0 . 1	01.0	91.7	22.1	93.4	93.8	93.A	24.1	944.7	94.2	24.9	0.4.	94.2	45.5
61	25001			89.2	91.1	91.9	22.2	93.5	03.9	93.9	94	99.3	94.3	95.1	95.3	45.3	94.4
(, ·	2700			89.7	71.0	92.4	92.7	94.2	94.6	94.6	94.5	24 9	24.4	95.7	95.9	45.9	មខ្ព
(, (	18001			80.5	91.9	92.6	03.0	74.4	94.8	94.8	95.0	41.	25.2	24.0	94.1	16 - 1	96.3
, F	15001			90	92 . 4	93.0	93.3	94.7	00.00	95.2	05.4	* * *	95.5	15.5	96.5	26.5	96 • 6
G.F	12001			96.	35 • 5	93.0	93.3	94.7	95	45.7	34.4	9	3	96.3	96.5	¥6.5	96.6
ia E	10501			96.2	92.2	93.0	93.3	94.8	95.3	15.1	95.5	45.6	95.4.	95.4	96.6	76.6	97.0
1, 1	5000			90.0	22 +2	43."	93.3	74.A	95.3	95.3	95.45	95.4	94.6	46.4	96.5	** . 6	97.5
5. i	5 d C			90.	35 • 5	93.	93.3	94.P	25.3	95.1	45.5	, ° 1,	95. • t	36. • 4	00.0	16.6	97.C
14	7601			90	96.0	93.	93.3	94.9	95.3	95.3	20.0	40.45	32.0	36.4	30 €	26.6	97.0
G E	6001			90.	97.3	93.2	21.5	32.10	95.5	95.5	95.7	44.4	75.6	96.6	96.H	V. F. P.	97.2
ı, ŧ	5601			90.4	92.4	95.3	43.6	95.2	95.7	95.7	95.9	46.0	26.1	96.4	97.3	. 1 . 1	97.6
4 4	4001			97.4	22.4	93.3	93.6	95.	55.1	95.7	24.9	94.0	26.1	₹6. • S	97.0	77.1	01.6
0.1	5001			90.4	92.4	93. 1	21.6	95.2	35.7	95.7	35.0	41.	46.1	97.0	21.2	.7.4	7 M • 1
C.E	2001			97.4	25.4	93.7	+3.6	95.2	55.7	94.7	36.0	46.1	96 - 1	97.1	91.4	+1.6	46.7
51	1001			91.4	92.4	91.1	93.6	95.2	95.7	y 5 • 7	96.0	96.1	06.1	97.4	27.0	7.R	7.00
G F	n F			91.5	92.5	93.4	25.1	44.7	95.8	≠5 . B	95.3	41.4	96.4	97.4	94.0	94.5	100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

STATION NUMPER: 042020 STATION NAME: THULE AB GL PEPIOD OF RECORD: 77-86 MONTH: JAN HOURS(LST): 0900-1100 NO CEIL I GE 200001 GE 180001 SE 160001 GL 140:00 I GE 120001 6E 10000[ G F 90601 នយេព [ G.E 70501 60 .1 93.4 93.4 94.1 93.5 93.5 94.2 50001 92.6 92.6 93.3 90.9 90.9 91.6 91.8 91.9 92.5 92.6 92.6 93.3 92.9 93.7 68.3 89.3 92.6 92.9 92.6 93.3 93.9 88.3 92.9 92.9 92.9 93.6 93.4 94.1 93.7 ti E 45001 40001 G F 89.9 350n j 89.3 90.6 92.3 93.9 94.3 94.7 95.1 i. f scon I 89.7 99.9 92.7 93.6 94.6 94.6 95.0 95.0 95.0 95.6 96.11 93.0 93.3 93.3 93.3 89.9 90.ú 91.1 91.4 95.0 95.2 96.1 96.5 25601 93.9 95.0 95.0 95.3 95.3 95.3 96.0 96.0 96.3 95.3 95.3 95.3 20001 94.2 ij. 95.6 95.6 96.3 95.3 95.6 96.7 96.3 18001 15001 90.0 91.4 94.2 95.2 95.3 95.6 95.6 95.6 95.6 95.6 96.3 96.3 96.5 96.7 74.2 90.0 91.4 95.3 96.3 96.3 96.5 96.7 12 00 95.7 95.7 95.7 51 10001 90.5 91.8 93.8 94.7 96.1 96.4 96.4 96.4 96.1 90.5 91.8 93.8 93.8 94.7 96 · I 96 · I 96.1 96.1 96.4 96.5 96.4 96.4 95.5 97.1 97.3 97.1 97.3 97.5 ( . F 9311 97.9 98.1 G E RUDI 96.7 96.7 96.7 GE 700 90.7 92.0 94.1 95.0 96.0 96.3 96.3 96.7 97.5 97.5 97.9 98.3 96.3 97.8 Ū. E 6u0 | 99.7 92.0 94.1 95.0 96.0 96.3 98.3 90.7 90.7 96.5 96.6 98.5 5901 97.0 97.8 97.8 98.0 G F 92 ... 94.2 95.1 96.1 96.5 97.0 97.0 97.0 97.2 97.2 94.2 94.2 95.1 95.1 96.1 96.1 97.0 4001 92.0 96.5 97.0 97.2 97.9 98.2 98.0 98.2 98.8 L, F 3001 90.7 92.0 96.5 98.3 98.5 98.5 99.3 94.2 96.6 97.1 97.2 98.2 2001 90.7 92.0 75.1 96.1 96.5 97.2 95.1 1001 90.7 92.0 96.1 96.5 96.6 97.1 97.2 98.2 98.3 98.5 99.8

97.1

97.7

98.5 100.0

95.1

FOTAL NUMBER OF OBSERVATIONS: 892

21

AIR WEATHER SERVICE/MAC

#### GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY USAFFTAC FROM HOURLY OBSERVATIONS

PEPIOD OF RECOPD: 77-86 MONTH: JAN HOURS(LST): 1200-1400 STATION NUMBER: 042020 STATION NAME: THULE AB GL VISIBILITY IN STATUTE MILES GE GF GE GE NE GF GE GE Z 1 1/2 1 1/4 1 3/4 5/6 1/2 5/16 E GE GE GE GE 6 5 4 7 2 1/2 IN | GE GE FELT | 10 6 GE GE 1/4 NO CEIL 1 GE 200UD| GE 180001 CE 19000| GE 140001 GE 100001 90001 ьŧ, 80001 70001 60001 87.9 87.9 88.9 89.7 91.6 91.6 92.6 93.4 G.F SC001 36.4 89.4 90.0 90.4 90.9 90.9 91.3 91.7 91.7 92.0 90.0 91.0 91.7 90.9 91.9 92.6 90.9 91.9 92.6 91.3 92.3 93.1 91.5 92.5 97.3 91.7 92.7 93.5 91.7 92.0 93.0 6 E 45001 87.2 89.4 90.4 92.1 90.4 4000 L 91.4 92.2 93.1 G F 35001 3600 I 94.2 94.6 94.6 94.6 89.2 89.1 94.6 95.0 94.3 95.4 95.8 95.5 95.9 65 25001 91.0 93.0 93.5 94.6 95.0 95.5 95.7 95.8 95.7 95.7 95.7 95.0 95.9 96.1 υĒ 95.5 96.3 93.3 20001 91.3 93.8 89.5 89.5 95 •0 95 •11 95.0 95.5 95.5 95.8 95.8 95.9 6 F 18001 93.6 95.9 96.1 96.3 95.9 GF 15001 91.3 93.3 93.8 96.1 96.3 12001 91.9 90.3 96.8 95.5 95.5 95.8 5 F 5 f 92.1 94.1 94.7 95.9 95.9 95.9 97.1 9001 90.3 96.4 91.6 96.7 96.A 96.8 97.5 FUTI 91.6 96.7 90.5 96.4 96.7 96.9 47.6 7001 90.4 72.4 94.4 95.0 96.3 96.3 76.7 96.3 27.0 97.2 21.2 97.6 91.4 G E 97.1 6501 92.4 35.6 96.3 76.3 96.7 98.6 5001 97.4 97.8 61. 90.4 92.4 94.4 25.6 95.8 96.3 96.3 96.3 96.7 97.1 97.4 96.1 95.8 95.9 4001 92.4 95.0 46.3 96.8 97.9 97.2 97.6 97.6 48.U 96.5 3001 2001 90.4 99.4 92.4 92.4 94.4 95.0 95.0 96.4 96.4 96.4 96.4 96.9 97.1 97.4 97.8 97.8 97.8 98.3 98.6 55 96.9 94.4 95.9 1001 96.4 98.7

95.0

95.9

96.4

96.9

97.1

97.4

97.9

97.8

99.7 100.0

TOTAL NUMBER OF ORSERVATIONS:

υŧ

0

n t

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VFRSUS VISIBILITY FROM HOUPLY OBSERVATIONS

				MOITATE								MONTH:		HOURS	LSTI:		
	LING	• • • • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • •	• • • • • • •			N STATUT			• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • • • • • •
I FE	N I	6E 10	GE G	GE 5	G E		GE 2 1/2	GE 2	G E 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	6€ 0
	CEIL															••••	
GE	200001																
GΕ	180001																
	160001																
	14000  12000																
o.	120001																
GE	100001																
GE	90001																
G E G E	8000  7000																
GE	6000																
GF	5000				87.6	88.4	88.9	90.0	90.3	90.3	91.1	91.4	91.5	92.0	92.1	92.5	92.5
GE	45001				87.6	88.4	88.9	90.0	90.3	90.3	91.1	91.4	91.5	92.0	92.1	92.5	92.5
G E G F	4000† 3500†				88.6 89.0	89.3 89.8	89.9 90.3	91.0 91.4	91.3 91.8	91.3 91.8	92.1 92.5	92.4 92.9	92.5 93.0	93.0 93.4	93.1 93.5	93.5 94.0	9 <b>3.</b> 5 94.0
G E	30an l				89.9	90.7	91.2	92.3	92.7	92.7	93.5	93.8	94.0	94.4	94.5	94.9	94.9
											-			-			
G f	2500				90.1	90.9	91.5	92.6	93.1	93.1	93.8	94.2	94.3	94.7	94.8	95.3	95.3
61	20001				90 .4	91.2	92.1	93.2	93.6	93.6	94.4	94.7	94.8	95.3	95.4	95.8	95.8
úΕ	1800   1500			-	90.4 91.0	91.2	92.1 92.6	93.2 93.7	93.6	93.6 94.2	94.4	94.7 95.3	94.8 95.4	95.3 95.8	95.4 95.9	95.8 96.4	95.8 96.4
GE	12001				91.1	91.9	92.7	93.8	94.3	94.3	95.1	95.4	95.5	95.9	96.0	96.5	96.5
					• • •												
G E	10001				91.4	92.2	93.1	94.2	94.6	94.6	95.4	95.7	95.8	96.3	96.4	96.8	96.8
10	9001				91.6	92.4	23.5	94.4	94.8	94.8	95.6	95.9	96.0	96.5	96.6	97.0	97.7
G E	800   700				91.6 91.8	92.4 92.5	93.3 93.4	94.4	94.8 94.9	94.8 94.9	95.6 95.7	95.9 96.0	96.0 96.2	96.5 96.6	96.6 96.7	97.0 97.1	97.0 97.1
GE	6001				92 • 1	92.9	93.7	94.8	95.3	95.3	96.0	96.4	96.5	96.9	97.0	97.5	97.5
							,										
G E	500				92.1	92.9	93.7	94.9	95.4	95.4	96.2	96.5	96.6	97.3	97.5	97.9	97.9
6 E	4001				92 • 1	92.9	93.7	94.9	95.4	95.4	96.2	96.5	96 • 6	97.3	97.5	97.9	97.9
G E G E	306   200				92 •2 92 •2	93. N 93. N	93.8 93.8	95.1 95.1	95.5 95.5	95.5 95.5	96.3 96.3	96.6 96.6	96.7 96.7	97.4 97.4	97.6 97.6	98.0 98.9	98.0 99.3
6 E	1001				92 • 2	93.0	93.8	95.1	95.5	95.5	96.3	96.6	96.7	97.4	97.6	99.1	99.9
												,,,,					
GE	0 [			90.8	92.2	93.0	93.8	95.1	95.5	95.5	96.3	96.6	96.7	97.4	97.6	99.1	100.0
					• • • • • •												

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STAT	TION NL	MBER:	042020	STATION								MONTH		HOURS	LST1:	_	ου
C E I L 14 F E E		GE 10	GE 6	<b>GE</b> 5	6 E	GE	GE 2 1/2	VISIE GE		IN STATI GE 1 1/4			GE 5/8	GE 1/2	GE 5/16	GE 1/4	G G
	• • • • • •		• • • • • •	•••••		• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •		• • • • • •	· • • • • • •	• • • • • •	• • • • • •		• • • • • • •
40 (	CEIL I																
er a	100001																
iF J	100081																
	160001																
	14000																
ا 5اد	1 2000 1																
65 J	100001																
	90001																
G E	10008																
GΕ	7000)																
ΣE	9C 0 0																
3 E	50001			87.2	89.0	89.7	90 • 2	90.8	91.7	91.2	91.4	91.4	91.6	92.0	92.0	92.3	92.5
ı.	45001			87.2	89.0	89.7	90.2	90.8	91.2	91.2	91.4	91.4	91.6	92.0	92.0	92.3	92.5
ı٤	40001			88.3	90.1	90.8	91.3	91.8	92.3	92.3	92.5	92.5	92.7	93.0	93.0	93.4	93.6
	3500			88.7	90.9	91.5	92.1	92.6	93.0	93.0	93.5	97.5	93.7	94.0	94.0	94.3	94.6
Ē	30001			89.7	92.0	92.7	93.3	93.8	94.2	94.2	94.7	94.8	95.0	95.4	95.4	95.8	86.0
<u>ع</u> د	25001			89.9	92.2	92.9	93.5	94.0	94.5	94.5	94.9	95.0	95.2	95.7	95.7	96.0	96.2
ı E	2006			90.2	92.5	93.3	93.8	94.3	94.8	94.8	95.2	95.3	95.5	96.0	96.0	96.3	96.5
s E.	18001			90.6	93.0	93.8	94.3	94.9	95.3	95.3	95.8	95.9	96.1	96.5	96.5	96.8	97.1
ı E	1500			91.3	93.6	94.3	94.9	95.4	95.9	95.9	96.3	96.4	96.6	97.1	97.1	97.4	97.6
G £	12001			91 • 4	93.7	94.5	95 <b>.</b> U	95.5	96 •0	96 • U	96 • 4	96.5	96.7	97.2	97.2	97.5	97.7
3 E	10001			91.4	93.7	94.5	95.0	95.7	96.1	96.1	96.5	96 • 6	96.8	97.3	97.3	97.6	97.8
56	9001			91.5	93.8	94.6	95.1	95.8	96 . 2	96.2	96.6	96.7	97.0	97.4	97.4	97.7	97.9
ιE	8001			91.5	93.8	94.6	95.1	95.8	96 . 2	96.2	96.6	96.7	97.0	97.4	97.4	97.7	97.9
6 E	700 [			91.5	93.8	94.6	95.1	95.8	96.2	96.2	96.6	96.7	97.0	97.4	97.4	97.7	97.9
Ų€	600 J			91.6	93.9	94.7	95.2	95.9	96.3	96.3	96.7	96.8	97.1	97.5	97.5	97.8	96.0
ŗ	Suni			91.7	94.2	95.D	95.5	96.2	96.6	96.6	97.1	97.2	97.4	98.0	78.D	99.4	98.9
F	4001			91.7	94.2	95.0	95.5	96.2	96.6	96.6	97.1	97.2	97.4	98.0	98.0	98.4	98.9
<b>Ն</b> {	*00 l			91.7	94.2	95.0	95.5	96.2	96 .6	96.6	97.1	97.3	97.5	98.2	98.2	98.5	99.0
6 (	200			91.7	94 .2	95.U	95.5	96.2	96 •6	96.6	97.1	97.3	97.5	98.2	98.2	98.6	99.1
o f	1001			91.7	94 .2	95.0	95.5	96.2	96.6	96.6	97.2	97.4	97.6	98.4	98.4	98.9	100.0
, f	0.1			91.7	94.2	95.0	95.5	96.2	96 .6	96.6	97.2	97.4	97.6	98.4	98.4	98.9	100.0

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER:	042020	STATIO	N NAME:	THUL	E AB GL					PERIOD MONTH:		OPD: 77 HOURS	-86 (LST): 2	2100-230	10
CEILING IN   GE FEET   10	G E 6	GE S	G E	G E 3	GE 2 1/2	V 1 S I E G E 2	GE 1 1/2	IN STATU GE 1 1/4	GE 1	S GE 3/4	G E 5 / 8	GE 1/2	GE 5/16	GE 1/4	O.E.
NO CEIL I	• • • • • • •		• • • • • • •	•••••	• • • • • • • •	• • • • • •	• • • • • •	• • • • • • • •	******	•••••	•••••	• • • • • • •	• • • • • • •	•••••	
GE 20000  GE 18000  GE 16000  GE 14000															

	1001	92.0	93.9	94.5	94.8	94.9	95.1	95.2	96.1	96.5	96.5	97.3	97.7	98.5	100.0
	2001	92.0	93.9	94.5	94.8	94.9	95.1	95.2	96.1	96.5	96.5	97.1	97.5	98.0	98.8
	3001	92.0	93.9	94.5	94.8	94.9	95.1	95.2	96.1	96.5	96.5	97.1	97.4	97.8	96.6
	500 L 400 L	92.0 92.0	93.9 93.9	94.5	94.8	94.9	95 • 1 95 • 1	95.2 95.2	96.0 96.1	96.4 96.5	96 • 4 96 • 5	96.9 97.1	97.3	97.7 97.8	98.5
	6001	91.8	93.7	94.3	94.5	94.7	94.9	95.0	95.7	96.2	96.2	96.6	96.9	97.4	98.1
	7001	91.8	93.7	94.3	94.5	94.7	94.9	95.0	95.7	96.2	96.2	96.6	96.9	97.4	98.1
	8001	91.8	93.7	94.3	94.5	94.7	94.9	95.0	95.7	96.2	96.2	96.6	96.9	97.4	98.1
	10001	91.8 91.8	93.7 93.7	94.3	94.5 94.5	94.7 94.7	94.9 94.9	95.0 95.0	95.7 95.7	96 • 2 96 • 2	96 • 2 96 • 2	96.6 96.6	96.9 96.9	97.4	96.1
	1200	91.8	93.7	94.3	94.5	94.7	94.9	95.0	95.7	96.2	96.2	96.6	76.9	97.4	98.1
	1500 l	91.8	93.7	94.3	94.5	94.7	94.9	95.0	95.7	96.2	96.2	96.6	96.9	97.4	98.1
	18001	91.3	93.1	93.8	94.0	94.1	94.3	94.4	95.2	95.6	95.6	96.1	96.4	96.8	97.6
	25001 20011	90.6 90.8	92.5 92.7	93.1 93.3	93.3 93.6	93.4 93.7	93.7 93.9	93.8 94.0	94.5 94.8	95.0 95.2	95.0 95.2	95.4 95.6	95.7 96.0	96.2 96.4	96.9 97.2
	30001	90.0	91.8	92.5	92.7	92 • B	93.0	93.1	93.9	94.3	94.3	94.8	95.1	95.5	06.3
	35001	89.1	90.8	91.5	91.7	91.8	92.0	92.1	92.9	93.3	93.3	93.4	93.7	94.1	C4.7
	40001	88.9	90.6	91.3	91.5	91.6	91.8	91.9	92.4	92.8	92.8	92.9	93.1	93.6	94.1
	45001	88.3	90 -1	90.7	90.8	90.9	91.2	91.3	91.7	97.1	92.1	92.2	92.5	92.8	93.3
	50001	88.2	90.0	90.6	90.7	90.8	91.0	91.7	91.6	92.0	92.0	92.1	92.4	92.7	93.2
	60001														
	70001														
	90001 80001														
	100001														
	20001														
	40001														
1	60001														

#### PERCENTAGE FREGUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

				STATIO								MONTH		HOURS	(LST):	ALL	
CEIL		• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •			IN STAT		F S	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • • •
I N		GE	G٤	GE	۵F	GE	GE	GE	GE	GE	GE	GF	Gŧ	GE	GE	GE	GF
FEE			6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	O
• • • •	• • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	· · · · · · · ·	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • •
• 0 C	EIL																
5 F 2	00001																
	80001																
• E 1	60001																
	40001																
3 F 1	20001																
5F 1	ו מסטח																
, E	90001																
	80001																
	70001																
<b>.</b> (.	4000 l																
ιE	50001			87.6	89.2	90.1	90.5	91.1	91.4	91.4	91.8	92.1	92.1	92.4	92.5	92.8	93.0
	45001			87.7	89.3	90.2	90.6	91.2	91.5	91.5	92.0	92.2	92.2	92.5	92.6	92.9	93.1
-	40001			8R.4	90.1	91.6	91.5	92.0	92.3	92.3	92 • 8	9 7 • 0	93.0	93.4	93.4	93.8	94.0
	35001			88.8	90.6	91.5	92.0	92.5	92.8	92.8	93.3	93.6	93.6	93.9	94.0	94.3	94.5
5 E	30:00 [			87.3	91 •2	92.3	92.7	93.4	93.7	93.7	94.2	94.5	94.5	94.9	95.1	95.4	95.7
3 E	25001			89.6	91.5	92.6	93.0	93.7	94.0	94.0	94.6	94.8	94.8	95.3	95.4	95.7	96.0
	50:00 (			87.9	91.9	92.9	93.4	94.1	94.5	94.5	95 • U	95.2	95.3	95.7	95.8	96.2	96.4
	18001			90.2	92.1	93.1	93.6	94.3	94.7	94.7	95.2	95.4	95.5	95.9	96.0	96.4	96.6
	15001			20.5	92.4	93.5	93.9	94.6	95.0	95.0	95.5	95.7	95.8	96.2	96.3	96.7	97.0
5 f	12001			90.5	35.0	93.5	94.U	94.7	95.0	95.0	95.6	95.8	95.9	96.3	06.4	96.8	97.0
·Ε	10001			90.8	92.7	93.B	94.3	95.0	95.4	95.4	95.9	96.2	96.2	96.7	96.8	97.1	97.5
ōΕ	9001			90.8	92.7	93.8	94.3	95.0	95.4	95.4	96.0	96.2	96.3	96.7	96.8	97.2	97.6
∍E.	6001			90.8	92.7	93.8	94.3	95.1	95.4	95.4	96.0	96.3	96.3	96.8	96.9	97.3	97.6
5 E	700			90.9	92.8	93.9	94.4	95.2	95.5	95.5	96.1	96.4	96.4	96.9	97.0	97.4	97.7
, f	6001			91.0	92.9	94.0	94.5	95.3	95.6	95.6	96.2	96.5	96.5	97.0	97.1	97.5	91.9
S F	5001			91.0	93.0	94.1	94.6	95.4	95 +8	95.8	96.4	96.6	96.7	97.3	97.5	97.9	96.3
, f	4001			91.0	93.0	94.2	94.6	95.4	75.8	95.8	96.4	96.7	96.7	97.4	97.6	98.0	98.4
G F	3001			91.1	93.0	94.2	94.7	95.4	95.8	95.9	96.5	96.8	96.8	97.5	97.7	98.2	98.7
ξE	2001			21.1	93.0	94.2	94.7	95.4	95.8	95.9	96.5	96.8	96.8	97.6	97.8	98.5	99.2
F	1001			91.1	93.0	94.2	74.7	95.4	95.8	95.9	96.5	95.8	96.9	91.7	97.9	78.6	99.7
	0.1			91.1	93.0	94. ž	94.7	95.5	95.9	95.9	96.5	96.A	96.9	47.7	97.9	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7262

0

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY ORSERVATIONS

TATION NU	MRER: I	042020	STATIO	ON NAME:	THUL	E 48 GL					DOIG39		HOURS	(LST): (	_	00
 E1L1NG	• • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •		VISI	I I I I Y	IN STATE	TE MILL		• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •
IN I	GE	€ £	GF	6 f	GŁ	GE	GE	GE	GE	GE	r. E	SE	GL	GE	SE	ĿΕ
FEET   ••••••		t	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	9
O CEIL I																
E 200001																
[ 18000 ]																
. 160601																
f 140001																
E 120001																
Fluovol																
E 3000																
f Bruck																
E 70001																
1 Punct																
E 50001			87.9	90.5	91.7	92.0	92.3	92.8	93.0	93.4	93.4	93.4	93.6	93.8	93.9	94.0
E 45001			98.0	70.6	91.8	92.1	92.4	92.9	93.2	93.5	91.5	93.5	93.8	93.9	94.0	94.1
F 40001			68.4	31.5	92.6	92.8	93.2	93.6	93.9	94.2	99.2	94.2	94.5	94.6	94.7	94.8
F 35001			88.4	91 +2	92.6	92.8	93.2	93.6	93.9	94.2	94.2	24.2	94.5	04.6	94.7	94.4
£ 30001			89.7	92.1	93.8	94.0	94.4	94.8	95.2	95.6	95.6	95.6	95.8	95.9	96.D	96.+2
£ 2540 E			89	92.1	93.8	24.0	94.4	94.8	95.2	95.6	95.6	95.6	95.8	05.9	96.0	96.2
£ 2nnot			89.6	92.4	94.1	94.4	94.7	75.2	95.6	95.9	94.9	95.9	96.2	96.3	96.4	40.5
1 00 P			89.6	92.4	94.1	94.4	94.7	95.2	95.6	95.9	A L * 3	95.9	96.2	36.5	96.4	96.5
£ Isuci			89.7	92.6	94.4	24.6	95.1	95.6	95.9	96 • 3	46.3	96.3	96.5	96.6	96.0	96.9
L 15001			43.L	92.9	94.7	95.U	95.4	95.9	96.3	96.6	96.6	06.6	96.9	01.3	97.1	47.2
t 10001			90.2	93.0	94.8	95.1	95.6	96.2	96.5	97.1	97.1	97.1	97.4	97.5	97.6	97.7
1 9001			90.2	93.0	94.8	95.1	95.6	96.2	96.5	97.1	97.1	97.1	97.4	97.5	97.6	91.1
5 POOT			90.2	93.0	94.8	95.1	95.6	96 .2	96.5	97.1	97.1	97.1	97.4	97.5	47.6	47.7
F 7001			30 · 2	93.4	94.A	95.1	95.6	96.2	96.5	97.1	37.1	97.1	97.4	97.5	97.6	97.7
F 6001			90.2	93.0	94.8	95+1	45.6	96 •2	96.5	97.2	97.2	97.2	97.5	97.7	97.8	<b>98.</b> 0
r 5001			90.5	93.0	94.8	95.1	95.5	96.2	96.5	97.2	97.2	97.2	97.5	97.7	47.A	96.0
1 4601			50.2	43.0	94.8	95.1	95.6	96.2	96.5	97.2	97.2	97.6	97.8	98.1	48.2	98.3
1 3001			90.3	93.2	9 . 0	95.2	95.8	96.5	96.9	91.6	97.7	98.1	98.3	98.6	48.7	98.8
2001			90.3	93.2	95.0	95.2	95 s A	96.5	96.9	97.6	97.8	98.2	98.4	98.8	98.9	99.4
E 1001			90.5	93.2	95.0	95.2	95.8	96.5	96.9	91.6	97.8	98.2	98.6	99.0	90.3	99.8
£ 51																100.0

GLOBAL CLIMATICOGY BRANCH AIR WEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VEKSUS VISIBILITY FROM HOUPLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PERIOD OF FECORD: 77-86 Month: FEE Hours(LST): 0300-0500 VISIBILITY IN STATUTE MILES GE GE GE GE GE GE 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 CEILING LIN | GE GE GE GE GE FF FEET | 10 6 5 4 GE GE 3 2 1/2 GE 1/4 O NO CETE 1 61 200001 61 160001 66 120001 160001 90001 64 8000) 7100| la f 50001 43.8 43.8 94.4 υf 91.5 93.2 94.3 94.3 94.9 94.9 95.0 95.2 91.9 92.1 92.1 92.1 94.9 95.5 95.5 93.2 94.3 94.3 95.0 94.9 94.9 94.9 95.5 94.9 95.0 95.6 95.2 95.8 95.8 45001 40001 35001 93.8 94.4 94.9 94.9 95.0 95.5 95.5 95.5 95.5 95.6 95.8 30001 96.0 96.0 96.2 91.0 92.5 97.9 97.9 93.u 25991 1, 1 94 .2 95.0 75.5 95.5 95.9 95.6 96.1 96.1 96.1 96.1 96.1 96.4 96.7 96.5 96.9 97.1 20001 94 .6 95.4 95.9 96.0 96.5 96.5 96.5 96.5 96.5 97.5 95.4 95.5 96.5 96.9 97.0 97.2 94.6 95.9 96.0 95.9 96 .0 96 .1 96.5 96.5 96.5 96.6 96.5 96.6 96.7 91.5 91.6 - F INCHI 96.0 6.1 12021 91. 94.9 36.2 96.2 96.4 96.9 96.9 96. 9 96.9 96.9 97.1 97.8 95.8 95.8 95.8 10un1 93.2 96.2 96.2 97.2 94.9 96.2 96.4 96.9 95.9 97.8 97.2 24.9 96.9 96.9 97.0 :,1 96.0 96.4 97.0 97.9 96.9 A u li | 93.2 94.9 96.9 96.9 97.0 91.2 97.3 97.9 95.9 6. 7001 93.2 95.0 76.4 96.4 96.5 97.7 91.4 27.0 97.1 98.1 96.4 96.5 500) 91., 95 ... 95.9 97.5 98.2 96.4 96.5 11.D 97.1 97.2 97.6 5 t 96.4 97.1 97.1 400 j 300 j 93.2 95.0 95.9 76.4 96.4 96.5 97.0 97.2 97.2 97.6 97.7 97.9 99.1 99.3 99.9 98.7 u i 93.2 1. 6 2001 95.0 95.9 +7.D 97.2 97.2 97.6 97.9 98.7 99.5 1001 95.0 95.9 97.0 99.0 100.0 61 96.4 96.4 96.5 97.3 97.3 97.7 98.1 98.8 G.E 0.1 9 2 . / 95.0 95.9 76.4 96.4 96.5 97.0 97.3 97.3 97.7 98.1 98.9 99.0 100.0 .........

TUTAL NUMBER OF URSERVATIONS:

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

TATION N											MONTH		HOURS	(LST):		CO
:	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •			IN STAT			• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	•••••
IN   FELT	10	G E 6	G E		GE ₹		0 E 2	1 1 / 2	GE 1 1/4	GE 1	GE 3/4	G[ 5/8	GE 1/2	GE 5/16	GE 1/4	G E
		••••	• • • • • • •	• • • • • • •		• - • • • •						• • • • • • •				••••
CEIL I																
200001																
180501																
160001																
14000  12000																
. 421 911 1																
100001																
90031																
10008																
F 7000( F 6000)																
0.001																
50001			89.9	91.3	92.3	72.5	92.7	92.9	92.9	92.9	97.9	93.0	93.5	23.5	93.5	43.7
E 4560)			90.5	91.9	92.9	93.1	93.3	93.5	93.5	03.5	93.5	93.6	94.1	94.1	94.1	94.5
40001			91.3	92 -8	93.7	94.0	94.1	94 • 3	94.3	94.3	14.3	94.5	94.9	94.9	94.9	95.2
E 35001 E 30001			91.6 92.2	93.1 94.1	94.2 95.3	94.5 95.7	94.6 95.8	94.9 96.1	94.9 96.1	96.3	94.9 96.3	95.1 96.4	95.5 96.9	95.5 96.9	96.9	95.8 97.1
. 50.01/1			71. 6 2	, , , , ,	7703	73.7	13.0	,0,1	,	,0.3	,.,.,	74.4	,0.,	,0.,	70.7	77.1
25001			92.7	94 . 1	95.3	95.7	95.8	96 . 1	96.1	96.3	96.3	26.4	96.9	26.3	96.9	97.1
r. 26001			92.7	94.6	95.8	96.1	96.3	96.6	96.6	96.7	96.7	96.9	97.3	97.5	97.3	97.0
18401			22.7	94.6	95.8	96.1	96.3	96.6	96.6	96.7	96.7	96.9	97.3	97.3	97.3	97.0
F 1500) F 1200)			92.7 92.7	94.7	95.9	96.3	96.4	96 . 7 97 . U	96.7 97.0	96.9 97.1	96.9 97.1	97.U 97.2	97.5 97.7	91.5	97.5	97.7
17001			72.1	94.9	96 • 1	76.5	96.6	41.0	71.0	7141	7/41	71.6	71.1	****	71.1	96.0
10001			92.8	95 . 1	96.5	96.6	46.7	97.1	97.1	97.2	97.2	97.3	97.8	97.8	97.A	96.1
9001			92.8	95 .1	96.3	76.6	96.7	97.1	97.1	97.2	. 97.2	47.3	97.8	97.8	97.8	96 • 1
E 8001			92.8	95 • 1	96.3	96.6	96.7	97.1	97.1	97.2	97.2	97.3	77.8	97.8	97.8	98.1
E 7001 F 6001			92.8 92.8	95 - 1	96.3	96.6	96.7	97.1	97.1 97.1	97.2	97.2 97.2	97.3 97.3	27.B	97.8 97.8	97.8 97.8	98.1
5007			4 C . H	95.1	96.3	96.6	96.7	97.1	71.1	41.5	41.42	11.3	97.8	41.5	71.8	38.1
5601			92.6	95.3	96.5	96.9	97.0	27.3	97.3	97.5	41.5	97.6	98 - 1	98.1	78.1	96.3
E 400 j			92.8	95 . 3	96.5	96.9	97.0	97.3	97.3	27.5	97.5	97.6	98.4	98.4	98.4	98.7
F 3001			92.8	94 . 3	46.5	76.9	97.0	97.3	97.3	97.5	97.5	97.6	98.6	98.6	98.6	98.8
F 2001			92.F 92.8	95 • 3 95 • 3	96.5	96.9	97.0 97.0	97.5	97.5 97.5	97.6	97.7 97.7	97.8 98.0	98.8 98.9	98.8 98.9	99.2 99.3	99.6
. 1001			44.4	42 • 3	96.5	96.9	A1.13	71.5	91.5	41.0	41.1	48.0	A4 • A	40.4	77.3	100.0
i ni			92.1	95 . (	26.5	26.9	47.0	07.5	97.5	97 6	47.7	90.1	98.9	98.9	40.3	100-0

ζ.

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

			: 042020									MONTH		HOURS	LLST1: U		00
CFIL		• • • • •	• • • • • • •	• • • • • • •	• • • • • •		• • • • • • •			IN STATE			• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • • • •
IN FLE	,	GE   10		در ن			2 1/2 GE		G E 1 1/2		6 <u>E</u> 1	G <u>L</u> 3/4	Gl 5/6	GE 1/2	GE 5/16	GE 1/4	6E 0
	EIL																
6 E 2	:0003	ı															
	8000																
	16000 14000																
	2000																
_		•															
	2000																
	9000																
	7000																
	6000																
	5000			87.2	88 .2	89.3	89.6	89.9	90 • 1	90.5	91.1	91.1	91.1	91.5	71.7 91.5	91.7	92.0 92.1
	45J0 4000			87.3 88.4	88 • 3 89 • 4	89.4 90.7	99.8 91.1	90.6 91.3	90 • 2 91 • 6	90.6 92.0	91.2	91.2 92.6	91.2 92.6	91.6	93.2	91.8 93.2	92.4
-	3500	•		89.1	90 -1	91.8	92.2	92.4	92.1	93.0	93.7	93.7	93.7	94.1	74.4	94.4	94.0
G F	3000			89.6	40.6	92.3	92.7	92.9	93.2	93.5	94.1	94.1	94.1	94.6	94.9	94.9	95.1
							_							<b>.</b>			
	2500 2000			89.6 89.6	93.6 90.7	92.3 92.8	92 • 7 93 • 2	92.9 93.4	93.2 93.7	93.5 94.0	94.1	94.1 94.6	94.1	94.6 95.1	94.9 95.4	94.9 95.4	95.1 95.6
	1830			89.6	70.7	92.8	93.2	93.4	93.7	94.0	94.6	94.6	94.6	95 • 1	95.4	95.4	95.6
i, f	1500			89.9	90.9	92.9	93.3	93.5	93.8	94.1	94.8	94.8	94.8	95.2	95.5	95.5	95.7
G E	1500	1		90.	91.2	93.4	93.8	94.0	94.3	94.6	95.2	95.2	95.2	95.7	76.1	96 . D	96.2
is E	1696 1696			90.5 90.7	71.5 71.7	93.1 93.9	94.0 94.3	94.3	94.6	95.0 95.2	95.6 95.9	95.9	95.6 95.9	96.1 96.3	96.5	96.3 96.6	96.6 96.8
[, [	800			20.7	71.7	43.9	94.3	94.5	94.9	95.2	25.9	95.9	95.5	96.3	96.6	46.6	96.8
G.F	700	-		90.7	91.7	93.9	94.3	94.5	94.9	95.2	95.9	95.9	95.9	96.3	96.6	96.6	96.8
υ£	600	1		90.7	91.7	93.9	94.3	94.5	94.9	95.2	95.9	95.9	95.9	96.3	76.6	96.6	96.8
G.F G.F	500 400			91.4	92 + U	94.1	94.5	94.8	95 • 1	95.5	96 • 1 96 • 1	96.2	96.2	96.7	97.U 97.3	97.g 47.3	97.2 97.6
61	360	•		91.( 91.(	92.0	94.1 94.1	94.5 94.5	94.8 94.8	95 • 1 95 • 1	95.5 95.5	96.1	96.2 96.2	96.2 96.6	97.1 97.4	97.7	97.7	98.0
ij t	200			91.(	35 · C	94.1	94.5	94 . R	95 • 1	95.5	96.1	96.2	96.6	97.4	97.7	98.3	99.5
6 6	150			91.5	42 · G	94.1	94.5	94.8	95.1	95.5	96.1	96.2	36.6	97.4	97.7	98.3	100.0
6.	c	ļ		91.6	92.6	94.1	94.5	74.8	95 • 1	95.5	06.1	96.2	96.6	97.4	97.7		100.0

## PERCENTAGE FREQUENCY OF DECURRENCE OF CEILING VIRSUS VISIPILITY FROM HOUPLY OBSERVATIONS

	-	-	042020									MONTH	: FEB		(LST):		
	LING		•••••	• • • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • •			IN STATU			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •
FF	IN I	6E 10	G F.	GF S	6 F 4		2 1/2	G E	G E 1 1/2	GE 1 1/4	GE 1	ŊΕ	GF 5/8	GE 1/2	GE 5/16	GE 1/4	GE. G
	CE1L																
6 f 6 f	200001 180001 160001 140001 120001																
G F G F G F G F G F	100001 90001 90001 90001																
6 E 6 E 6 E 6 E 6 E	5000   4500   4000   3500   3000			85.4 85.5 86.9 87.0 87.6	86 • 2 86 • 3 87 • 8 87 • 9 88 • 5	67.9 88.0 89.9 90.0 90.6	88.4 88.5 90.5 90.6 91.2	89.0 89.1 91.1 91.2 91.8	89.1 69.2 91.2 91.3 92.0	89.1 89.2 91.2 91.3 92.2	90.1 90.2 92.2 92.3 93.2	90.2 90.4 92.3 92.5 93.3	90.4 90.4 92.3 92.5 93.3	90.6 90.7 92.7 92.8 93.8	90.9 91.0 93.0 93.1 94.2	91.0 91.1 93.1 93.2 94.4	91.2 91.3 93.3 93.4 94.
6F 6F 6E	2500   2000   1400   1500   1200			87.9 88.1 88.1 88.1 88.6	88.8 89.0 89.0 89.0	91.0 91.2 91.2 91.3 91.5	91.6 91.8 91.8 92.0 92.5	92.2 92.5 92.5 92.7 93.2	92.3 93.0 93.0 93.3 93.8	92.6 93.2 93.6 94.1	93.6 94.2 94.2 94.8 95.3	94.3 94.3 94.9 91.4	93.7 94.3 94.3 94.9 95.4	94.2 94.8 94.8 95.4 95.4	94.6 95.2 95.2 95.8 96.3	94.8 95.6 95.6 96.2 96.7	95.1 95.8 95.6 96.4 96.9
5 F 6 F 6 E 6 E	1000   900   900   700   600			58.6 58.6 69.6 82.6 82.6	89.5 89.5 89.5 89.5	92.0 92.0 92.0 92.0 92.1 92.1	92.6 92.6 92.6 92.7 92.7	93.3 93.3 93.4 93.6 93.6	94.1 94.1 94.2 94.3 94.3	94.3 94.3 94.6 94.6	95.6 95.6 95.7 95.8 95.8	95.7 95.8 95.9 95.9	95.7 95.7 95.8 95.9 95.9	96.2 96.2 96.3 96.4 96.4	96.5 96.5 96.7 96.8 96.8	96.9 96.9 97.0 97.2 97.4	97.2 97.2 97.3 97.4 97.7
6 F 6 F 6 F 6 F	500} 460} 300} 200} 100}	٠		88.6 89.6 89.6 89.6	89.5 89.5 89.5 89.5 89.5	92.1 92.1 92.1 92.1 92.1	92.7 92.7 92.1 92.1 92.1	93.6 93.6 93.6 93.6 93.6	94.3 94.3 94.3 94.3	94.6 94.6 94.6 94.6 94.6	95.8 95.9 95.9 95.9	95.9 96.2 96.2 96.2 96.2	95.9 96.2 96.2 96.2 96.2	96.7 96.9 96.9 96.9 96.9	97.6 97.3 97.3 97.3	97.7 97.9 97.9 98.0 98.1	97.9 98.1 96.4 99.3 100.0
61	01			88.5	P4 .5	92.1	92.7	93.6	94.3	94.6	95.9	96.2	96.2	96.9	97.3		100.0

TOTAL NUMBER OF URSTRUATIONS: 809

## PERCENTAGE FREQUENCY OF CCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

			-	STATIO	-							монтн		HOURS	(LST1:		
CEILI		• • • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •			IN STATI			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •
I۸		GŁ	GE	GF	5 E	GE	GE	GE	GE	GŁ	GE	GE	G F	GE	6 f	F. F	Ú.F
FEET	i	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	G
• • • • •	• • • • •	• • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • •		• • • • •	• • • • • •	• • • • • •	
40 CŁ	IL																
SE 201	caai																
€ 18																	
F 16	nun j																
SE 141	0001																
E 12	0001																
5 F 1 O	0001																
if 91	1000																
E 8	0001																
	ពេលព																
. E 61	o o o t																
E 59	560 T			83.3	84.5	86.6	87.6	88.5	89.4	89.6	93.U	90.3	90.3	91.0	91.3	91.8	72.1
	5001			83.3	84.5	86.6	87.6	88.5	89.4	80.6	90.L	90.3	90.3	91.0	91.3	91.6	41
	00C			84.3	85.6	67.8	88 · B	89.7	90.1	90.9	91.4	91.5	91.6	42.4	25.4	₹ <b>.</b> 4	93.7
	500 I			84.5	86 •0	88.2	89.2	90.0	91.0	91.3	91.8	8.4.0	92.0	92 . R	03.	93.7	94.1
i E 31	0001			85.5	87.0	89.2	90.2	91.2	92.4	92.8	93.2	91.5	03.5	94.3	24.8	20.3	45.7
F. 2	9001			85.5	87.1	89.3	90.3	91.3	92.5	92.9	93.4	93.6	93.6	94.5	95.0	ې د د	95.a
E 21	0001			86.U	87.6	89.8	8.39	91.9	93.1	93.5	24.6	94.2	94.2	95.1	95.6	₹5.1	96.4
E. 1	թըը1			86.0	87.6	89.8	90.8	91.9	93.1	93.5	94.0	94.7	94.2	95.1	95.6	96.1	96.4
	500			86.1	87.7	90.2	91.2	92.3	93.5	93.9	94.3	74.6	94.6	95.5	25.9	96.4	46.8
F 1	5 nu (			66.2	87.8	90.3	91.4	92.5	93.7	94.1	94.6	94.8	94.8	95.7	76.2	76.7	97.1
f 1	0001			86.6	86 .2	90.8	71.9	93.0	94.5	94.8	95.3	95.6	95.6	96.4	96.9	27.4	97.8
	9001			87.U	88 .6	91.2	72.3	93.4	94.8	95.2	95.7	30.0	95.9	96.A	97.5	97.8	98.2
	9001			87.C	88 .6	91.7	92.3	93.4	94.8	95.2	95.7	95.9	95.9	96.8	97.3	₹7.B	90.2
	7001			87.0	99.6	91.2	92.3	93.4	94.8	95.2	95.7	34. 3	95.5	46.8	97.3	97.8	96.2
, (	6001			87.G	88.6	91.2	92.3	93.4	94.8	95.2	25.7	9. 0	95.9	96.8	97.3	97.A	9B.
	5001			87.0	88.6	91.2	92.3	93.4	3.40	95.2	25.7	95.9	95.9	97.2	97.7	98.3	96.6
	4001			87.0	88 .6	91.2	92.3	93.4	94.6	95.2	95.7	94.3	96.3	97.5	98.0	94.6	99.0
	3001			67.U	88 .6	91.2	92.3	93.4	94 .8	95.2	95.7	96.3	96.5	97.8	78.3	98.9	99.3
	2001			67.C	88.6	91.2	92.3	93.4	94 .€	45.2	95.7	96.5	76.3	97.8	98.3	98.9	99.4
, E	1001			87.L	F8 .6	91.2	92.3	93.4	94 . 8	95.2	95.7	96.3	96.3	97.8	98.3	98.9	100.0

37.0 88.6 91.2 92.3 93.4 94.6 95.2 95.7 96.3 97.8 98.3 98.9 100.0

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIPILITY FROM HOURLY OBSERVATIONS

				STATE								HONTH		HOURS	(LST):		60
	L 14G	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •			IN STATI			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
1 1	N   ET		6E 6	GE 5	GF 4		5E 2 1/2	G E 2	G E 1 1/2	GE 1 1/4	GE 1	5E 374	GE 578	G E 1/2	6F 5/16	GE 174	GF G
	CETE 1																
5 E 6 E 6 E	20000  18060  16000  14040  12040																
6 t 6 t 6 t 6 t 6 t	10000   9000   80 00   7000   6000																
65 65 65	5000   4500   4006   3500   3006			85.7 86.0 87.4 87.6 88.3	80.5 86.9 88.2 88.8 89.5	88.0 88.3 39.7 93.3 91.0	#8.4 88.8 90.1 90.7 91.5	88.8 89.2 90.5 91.1 91.8	A9.5 89.9 91.2 91.8 92.5	89.8 90.1 91.5 92.1 92.8	90.1 90.5 91.8 92.4 93.3	90.3 90.6 91.9 92.5 93.4	90.4 90.7 92.1 92.7 93.5	90.5 90.9 92.2 92.8 93.6	90.7 91.1 92.4 93.0 93.9	90.7 91.1 92.4 93.0 93.0	91.5 91.6 93.1 93.7
5 f 6 f 6 f 6 f 6 f	2500   200     1800   1500   1200			88.3 88.4 88.7 68.9 89.2	89.5 89.9 90.1 90.5	91.0 91.1 91.3 91.3	91.5 91.7 91.9 92.4 92.9	91.8 92.1 92.3 92.8 93.3	92.5 92.8 93.0 93.6 94.1	92.9 93.0 93.3 93.9 94.5	93.3 93.5 93.7 94.3 94.9	93.4 93.6 93.9 94.5 95.1	93.5 93.7 94.0 94.6 95.2	93.6 93.9 94.1 94.7 95.3	93.9 94.1 94.3 94.9	94.1 94.3 94.9 95.5	94.6 94.8 95.1 95.7 96.3
6 F 6 E 6 E 6 F	1000   900   600   700   600			30.2 89.2 89.2 89.2 89.3	9].9 9].9 9].9 9].9 9].9	92.7 92.9 92.9 92.7 93.0	93.3 93.5 93.5 93.5 93.6	93.6 93.9 93.9 93.9	94.6 94.8 94.8 94.8 94.9	95.7 95.4 95.5 95.5 95.7	95.7 95.9 96.0 96.0 96.1	95.8 96.0 96.1 96.1 96.3	95.9 96.1 95.3 96.3 96.4	96.0 96.3 96.6 96.8 97.0	96.5 96.5 96.9 97.6 97.2	96.3 96.5 96.9 97.0 97.2	97.0 97.2 97.6 97.7 98.0
6 f 6 f 6 f 6 f	500  400  400  400  100			89.3 89.3 89.3 89.3	91 - J 91 - U 91 - U 91 - U	93.0 93.0 93.0 93.0 93.0	93.6 93.6 93.6 93.6	94.0 94.0 94.0 94.0 94.0	04.9 94.9 94.9 94.9	95.7 95.7 95.7 95.7 95.7	96.3 96.3 96.3 96.3	96.4 96.4 96.4 96.4	96.5 96.5 96.5 96.5	97.4 97.5 97.5 97.6 97.6	97.6 97.7 97.7 97.8 97.8	97.6 97.8 97.8 98.2 98.2	98.3 98.6 98.7 99.2 100.0
G f	51			89.3	91	93.3	93.6	94.0	94.9	95.7	96.3	96.4	96.5	97.6	27.4	98.2	136.0

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CELLING VERSUS VINIBILITY FROM HOUPLY OBSERVATIONS

					N NAME:							MCNIH		HOURS	usti: .		
C E :	IEING In   Elt	10	GE G	6f 5	G F 4	GE 3	6E 2 1/2	0E 2	1 172 GE 311114	IN STATU GE	JTF MILE GE 1	.S GE 374	51 578	5E 173	65 5/15	GE 174	of E
N 6	CETC 1																
6 f 6 E 6 E	200001 160001 140001																
61 61 61 61	16000  9666  8000  7000  6600																
10 10 10 10	5000   45 00   40 00   35 00   30 00			87.3 87.7 58.0 48.3 68.9	89.0 89.3 89.7 90.2 90.8	90.7 91.0 91.6 92.3 92.7	90.5 91.2 91.8 92.4 93.0	91.2 91.5 92.1 92.7 93.3	91.4 91.8 92.4 93.0 73.6	92.0 92.4 93.0 93.6 94.2	92.3 92.6 93.3 93.9 94.6	97.7 97.6 97.3 97.9 94.6	92.4 92.7 93.5 94.1	92.5 92.9 93.6 94.2 94.8	92.0 91.0 91.7 94.3 94.9	90.7 93.1 93.4 94.4 94.0	5.3 6.33 9.41 247
6F 6F 6F 6F	2500   2000   1800   1500   1230			89.1 89.3 89.3 89.7 89.6	98.9 91.5 91.3 91.6 91.6	93. n 93. 3 93. 3 93. 7 93. 9	93.1 93.5 93.5 93.9 94.2	93.5 93.8 93.8 94.3 94.7	93.7 94.1 94.1 94.6 94.9	94.3 94.7 94.7 95.2 95.5	94.7 95.0 95.0 95.5 95.9	94.7 95.0 95.0 95.0	94.8 95.2 95.2 95.6 96.0	94.9 95.3 95.3 95.8 96.1	05.4 05.4 05.4 05.4	96.8 96.6 96.4	-5 - 4 -6 - 4 -5 - 8 -76 - 2 -76 - 6
6 E 6 f 6 f 6 f	1000   930   600   700   600			89.8 89.6 90.0 90.0	91.9 91.9 92.0 92.0 92.0	94.2 94.4 94.6 94.6	94.4 94.7 94.8 94.8 94.8	95.8 95.3 95.4 95.4 95.4	95.5 95.8 96.0 96.0 96.0	96.4 96.0 96.9 96.9	96.7 97.5 97.2 97.7	91.0 97.0 97.2 97.2 97.2	96.9 97.1 97.3 97.3	97.0 97.2 97.5 97.5	97.1 97.3 97.6 97.6	97.2 97.5 97.7 97.7 97.7	91.5 91.7 91.9 91.9 97.9
10 10 10 10	500  400  300  200  100			90.0 90.0 90.0 90.0 90.0	92.0 92.0 92.0 92.0 92.0	94.6 94.8 94.8 94.8	74.6 75.0 75.0 75.0 75.0	95.4 95.6 95.8 95.8 95.8	96.6 96.2 96.4 96.4 96.4	96.9 97.1 97.2 97.2 97.2	97.2 97.5 97.6 97.6	97.2 97.5 97.6 97.6	97.3 97.6 97.7 97.7 97.7	97.5 97.7 98.1 98.2 98.2	97.6 97.8 98.2 98.3 94.3	97.7 97.9 98.3 98.4 98.8	91.9 98.5 98.9 176.0
6.1	c1			90.6	92 • N	94.8	95.0	94.8	96.4	97.2	97.6	97.6	97.7	94.2	94.5	98.R	186.5

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CELLING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF PECORD: 77-86
MONTH: FEF HOURS(LST): VISIBILITY IN STATUTE MILES
GE GE GE GE GE GE
2 1 1/2 1 1/4 1 7/4 5/8 CFILING GE GE GE GE GE GE 6 6 5 4 3 2 1/2 IN | GE FEET | 10 GE GE 1/2 5/16 GE 1/4 GE G ...... NO CEIL [ GE 200001 GE 18000 | GF 16000 | GE 14000 GE 120001 65 1000nl GE 90001 70001 61 60:00 | 50001 68 . 7 90.5 91.7 92.8 93.2 92.1 93.2 93.7 92.7 87.5 88.4 88.9 89.8 90.3 90.1 91.8 91.0 91.4 92.1 93.2 72.2 73.3 92.5 92.8 91.9 93.1 G E 45001 40001 υE 94.2 35001 88.6 90.2 91.7 92.2 92.5 92.9 93.6 93.7 94.0 94.4 94.7 45.7 6 E 30.001 89.2 93.3 94.6 95.0 43.4 25601 94.7 94.7 95.1 95.4 95.6 89.3 23.9 92.6 93.0 93.4 93.9 94.2 94.6 95.3 93.0 93.0 93.2 93.8 93.9 94.1 95.1 95.2 95.5 93.4 94.6 94.7 95.0 95.1 95.1 95.4 20001 94.3 95.2 95.5 95.8 95.9 87.6 91.2 96.3 91.3 94.3 95.2 95.6 95.6 95.9 6 F 18001 80.6 95.3 95.9 26.3 15001 89.6 91.4 96.1 46.3 96.6 12001 90.0 96.5 97.11 94.3 95.4 95.5 96.9 97.1 97.3 1000 E 90.1 91.9 93.B 94.7 76.4 95.7 97.5 93.9 90.2 97.6 υF 92.0 94.9 96.4 96.5 9001 95.9 96.5 96.5 96.9 r, F 0001 22.0 94.4 95.6 95.6 96.0 96.5 96.6 97.0 97.2 97.3 97.7 94.0 94.5 94.9 96.6 6 F 7GP I 72.0 96.0 26.5 96.6 96.5 96.6 E LO L 94.0 95.6 95.1 95.1 95.8 5001 90.3 94.0 92.1 94.5 97.3 95.0 76.E 96.7 96.7 96.7 96.1 4 UD 1 3 D D F 90.3 90.3 90.3 92.1 94.1 95.0 95.1 96.8 96.9 96.9 97.6 97.8 61 94.6 97.8 98.0 98.4 94.6 98.1 98.3 96.7 76.7 96.2 GE 2001 92 - 1 94.1 94.9 97.1 97.9 78.2 99.3 94.1 94.6 95.41 27.1 97.9 9A.7 UF 1401 90.3 92.1 95.8 96.2 96.8 96.9 98.3 106.0 90.1 92.1 95.8 r I 94.1 94.6 95.1 26.9 97.1 97.9 98.5 98.7 100.0

GEOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VIRSUS VISIFILITY FROM HOUPLY OBSERVATIONS

AIR MEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AR GE PENIOD OF PECORD: 77-85 MONTH: MAR HOURS(LST): 0000-0200 VISIBILITY IN STATUTE MILES CEILING IN | GE FEET | In GE GE GE GL GE 6 5 4 3 2 1/2 GE GF GE GF GE 2 1 1/2 1 1/4 1 7/4 5/6 1/2 1/16 1/4 11 NO CEIL I GE 200001 GE 180001 6E 160001 GE 14000 GE 120001 GE 100001 GE 90001 80001 76001 GE 60001 90.5 90.5 92.7 50001 88.6 89.2 89.3 92.1 92.1 93.6 92.7 92.7 92.7 94.3 92.7 87.3 87.3 87.7 89.7 92.8 92.8 94.4 93.0 91.1 43.0 44.5 GF 45001 GE 40001 90.6 90.6 88.6 91.6 92.3 94.3 94.4 6 F. 35991 88.1 49.9 90.8 91.7 92.4 93.7 94.4 94.4 .4.5 94.6 30001 97.7 91.4 91.4 95.0 95.0 95.3 88.4 97.4 93.1 95.2 25001 6 E 88.6 99.8 31.5 91.5 92.5 93.1 93.2 93.8 93.2 95.8 95.2 95.2 95.9 94.5 95.2 25.2 45.3 95.4 20001 43.6 90.0 91.7 91.9 95.3 95.9 25.9 96.0 96.3 95.6 υE 18001 88.9 90.3 92.1 92.2 93.4 94.2 94.2 96.3 46.3 96.3 96.3 96.4 96.6 90.3 93.4 94.2 95.6 41.3 32.2 96.3 96.6 96.3 96.3 96.4 95.6 GE 12001 84.4 90.3 6.5 10001 87.6 87.0 90.4 90.4 92.2 92.3 93.5 94.3 95.7 95.7 96.4 96.4 76.4 06.4 υE 9001 94.3 96.4 96.4 96.4 96.4 96.5 97.2 GΕ 8 U 0 | 89.0 90.4 92.2 72.3 93.7 94.5 94.5 95.9 96.6 76.6 96.6 16.9 92.2 92.3 93.7 94.5 94.5 96.8 76.9 77.4 97.8 G F 7001 89.6 93.4 44.5 95.9 96.5 76.6 96.9 89.1 97.2 14.5 95.9 76.6 96.9 90.4 92.3 93.7 95.7 91.6 9.70 94.5 94.5 96.9 27.4 ¥7.5 89.5 89.0 92.3 92.3 94.6 94.6 97.U 97.U 47.5 97.5 97.5 G E 4001 90.4 92.4 95.8 94.6 96.0 96.7 98.0 GF 3001 70.4 22.4 93.8 94.6 96.0 96.7 97.6 98.2 87.( 2001 93.8 94.6 94.6 96.0 89. 97.6 G f 1001 91.4 92.3 92.4 91.8 94.6 94.6 26.6 96.7 97.6 37.7 28.0 99.4 u.F

TOTAL NUMBER OF OPSERVATIONS:

89.1. 91.4

92.3

92.4

93.8

94.6

94.6

26.1

96.7

27.6

97.6

77.7

99.C 103.C

0.1

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

				ON NAME:							MONTH	: MAR	HOURS	-86 (LST):		
1L1N6	•••••	• • • • • • • •	• • • • • •	• • • • • • •		• • • • • •			IN STATE			• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •
	GE	G.F.	GE	G f	GE	G€	GE	GE	ĞE	GE.	GE .	G.E.	GŁ	GE	σE	Ŭ€.
	10	6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	174	Ü
• • • • • • • •	•••••	• • • • • • •	••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • •
O CEIL I																
200001																
180001																
100001																
E. 14000																
F 150001																
E 1000ml																
f 3000}																
F 80001																
5 70001																
F 60001																
50001			86.8	89.U	90.6	90.7	91.2	91.8	91.8	92.5	92.7	92.1	92.8	92.9	93.0	93.3
45001			66.8	89.0	90.6	90.7	91.2	91.8	91.8	92.5	92.7	92.7	92.8	92.9	93.0	93.3
1 40001			87.3	89.8	91.3	91.4	95.0	92.5	92.5	93.4	93.5	93.5	93.6	73.8	93.9	94.2
: 35001 : 30501			87.4	90.0	91.6	71.7	92.2	92 • B	92.8	93.6	91.9	ივ. გ	93.9	94.()	94.1	94.4
30 y 0 1			87 <b>.</b> 5	93.1	91.0	92.0	92.5	93.1	63.1	94.0	94.1	94.1	94.2	04.3	54.4	94.7
F 25001			87.7	93.4	92.1	92.2	92.8	93.3	93.3	94.2	94.3	94.3	94.4	94.5	94.6	95.0
1 2005			88.2	90.8	92.5	93.D	93.8	94.4	94.4	95.4	95.5	95.5	95.6	95.7	95.B	96.2
18001			88.5	90.9	92.7	93.1	93.9	94.5	94.5	95.5	95.6	95.6	95.7	95.8	95.9	96.3
r 1500) L 12001			59.3	90.9	92.7	93.1	93.9	94.5	94.5	95.5	95.6	95.6	95.7	95.8	95.9	76.3
L 12001			86.3	50.9	92.7	93.1	93.9	34.5	94.5	95.5	95.6	95.6	95.7	95.8	95.9	96.3
10001			68.4	91.6	92.8	93.2	94.0	94.6	94.6	95.7	9 9	95.9	96.1	96.2	96.3	76.6
9001			88.4	91.0	92.8	93.2	94.0	94.6	24.6	95.7	95.9	95.9	96 • 1	96.2	96.3	96.6
6361			88.4	91.6	92.A	93.2	94.0	94.6	94.6	95.7	95.9	95.9	96.5	96.8	96.9	97.3
7001			88.4	91.0	92.8	93.2	94.0	94.6	94.6	95.7	95.9	95.9	36.5	96.3	46.9	21.3
. 6un]			88.4	91 •Û	92 • 8	93.2	94.0	94.6	94.6	95 • 7	95.9	96.2	96.8	97.1	97.4	97.7
5601			84.4	91.0	92.8	93.2	94.0	94.6	94.6	25.7	95.9	96.2	96.8	97.1	97.7	98.0
4001			99.4	91.0	92.P	93.2	94.0	94.6	94.6	95.7	95.9	96.2	96.8	97.1	97.7	98.4
1001			88.4	91.0	92.8	93.2	94.0	94.6	94.6	95.7	95.09	96.2	96.8	97.1	97.7	98.7
: 200 <b>1</b> : 1001			88.4	91.0	92.8	93.2	94.0	94.6	74.6	95.7	95.9	26.3	76.9	97.3	97.8	96.8
iuni			58.4	91.0	92.8	93.2	94.0	94.6	94.6	95.7	45.9	96.3	96.9	97.3	97.9	99.0
10			88.4	91.0	92.5	93.2	94.0	94 •6	94.6	95.7	95.9	96.3	96.9	97.3	97.9	100.0

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020									MONTH:		HOURS	LST): C	16 u D = 0 8 i	uο
CE 1, 10C	• • • • • • • •	• • • • • • •	• • • • • •	•••••						• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • • • •
CFILING  IN	GE 5	G F 4	GE 3		GE 2 1	G E		1 1	5E 3/4	GE 5/8	G E 1 / 2	GE 5/16	GE 1/4	GE 3
• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • •	• • • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • •	• • • • • • • • • • •
NO CEIL 1														
0.500001														
01 180901														
GE 160001														
GE 14800  GE 12000!														
67 120001														
6 L 100001														
6f 9000]														
GF 8000														
6F 7000														
0.E 60.0.F														
6F 50001	85.1	86.9	88.5	48.7	89.2	89.7	89.7	90.9	91.2	91.4	91.7	21.7	91.8	94.0
GF 4500		36 . 9	88.5	88.9	89 • Z	89.7		90.9	91.2	91.4	91.7	91.7	91.8	92.0
6F 4000]	85.7	87.6	89.3	89.6	90.0	90,6		91.9	92.1	92.4	92.7	92.7	92.8	93.U
Gf 3500		87.9	89.6	90.0	90.3	91-1		92.4	97.6	92.8	93.1	03.1	93.2	93.5
GE 3090	86.4	HB .4	90.3	90.6	91.1	91.8	91.8	93.1	91.3	93.6	94.1	94 • 1	44.2	04.4
6E 25J01	86.7	8.68	90.6	90.9	91.4	92.1	92.1	93.5	93.7	93.9	94.4	94.4	94.5	94.8
GE 2000]		90.0	91.8	92.1	92.7	93.5		95.0	95.3	95.5	96.1	96.1	96.2	96.4
6E 18601	87.7	90.6	91.8	92.1	92.7	93.5	93.5	95.0	95.3	95.5	96.1	96.1	96.2	96.4
UE 1500 (	87.8	1.09	91.7	92.3	92.8	93.6	93.6	95 • 1	95.4	95.6	96 . 2	96.2	96.3	96.5
6E 1260	67.6	90.1	91.9	92.3	92.8	93.6	93.6	95.1	95.5	25.7	96.3	96.3	96.4	96.6
or inset	87.9	9û • č	92.0	92.4	92.9	93.8	93.8	95.9	91.4	96.6	97.2	91.2	97.3	97.6
6E 9001			92.0	92.4	92.9	93.8		95.9	96.4	96.6	97.2	97.2	97.3	97.6
UT POOL		90 .2	92.0	92.4	92.9	93.8		95.9	96.4	96.6	97.5	97.5	97.6	97.9
G5 700 I	87.9	90 .2	92.0	92.4	92.9	93.8		95.9	96.4	96.6	97.5	97.5	97.6	97.9
CE POD!	87.9	90 • -	92.0	92.4	92.9	93.8	93.8	95.9	96.4	96.6	91.5	97.5	97.6	97.9
6		98 - 3	92.1	92.5	93.0	93.9		96.0	96.7	96.9	97.8	97.8	98.4	98.8
6E 3001		90.3 90.3	92.1 92.1	92.5 92.5	93.0 93.0	93.9 93.9		96.0 96.0	96.7 96.7	96.9 96.9	97.8 97.8	97.9 97.9	98.5 98.5	99.U 99.0
SE 2001		93.3	92.1	92.5	93.C	93.9		96.0	96.7	96.9	97.9	98.0	98.6	99.2
GE 1001		93.3	92.1	92.5	93.0	93.9	93.9	96.0	96.7	96.9	97.9	98.0	98.6	99.6
61 01	88 • L	90 - 3	92.1	92.5	93.0	93.9	93.9	96.0	96.7	96.9	97.9	98.0	98.6	100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

			042020									MONTH	: MAR		(LŠT):		
	LING	• • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • • •				IN STAT			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • •
FE	N I	T O	GE 6	GE 5	5 F 4		GE 2 1/2	GF 5	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GΕ 5/16	GE 1/4	6 E 0
• • •	• • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	••••••
N C	CEIL I																
6 E	200001																
υĘ	180001																
	160001																
	14000																
61	15000																
5 E	100001																
GE	90001																
GF																	
CI																	
G E	6000 l																
GΕ	50001			85.4	87 .ú	88.4	89.1	90.B	91.7	91.8	91.9	91.9	92.0	92.6	92.6	42.8	93.3
ιc	4560			85.5	87.1	88.5	89.2	90.9	91.8	91.9	92.0	92.0	92.1	92.7	92.7	92.9	93.5
5 E	40001			85.7	87.4	88.9	89.5	91.3	92.1	92.4	45.6	92.6	92.7	93.2	93.2	93.5	94.1
G F	3500			85.9	87.6	89.1	99.9	91.6	92.5	92.7	93.D	93.0	93.1	93.7	93.7	93.9	94.5
5 E	30001			86.0	87.7	89.3	90.1	92.3	93.1	93.3	93.8	97.8	93.9	94.4	94.4	94.7	95.3
J E	25001			86.6	98 .2	89.9	90.6	92.9	93.8	94.0	94.4	94.4	94.5	95.1	95.1	95.3	96.0
ı E	50001			86.8	88.4	90.3	91.2	93.5	94.4	94.7	95.1	95.1	95.2	95.7	25.7	96.0	96.7
5 E	16001			86.6	88.4	90.3	91.2	93.5	94.4	94.7	95.1	95.1	95.2	95.7	45.7	96.0	96.7
la E	15001			87.G	88 • 7	90.5	91.4	94 . D	95.1	95.4	95.9	94.9	96.0	96.5	96.5	96.7	97.5
G E	12001			87.6	88.7	90.5	91.4	94.0	95.1	95.4	95.9	95.9	96.U	96.5	96.5	96.7	97.5
3 F.	10001			87.5	98.7	90.5	91.4	94.0	95.2	95.5	96.3	76.3	96.4	96.9	96.9	97.7	98.0
iΕ	900			87.5	88.7	90.5	71.4	94.0	95.2	95.5	96.3	96.3	96.4	96.9	96.9	97.2	98.0
. E	6001			87.0	88.7	90.5	91.4	94.0	95.2	95.5	96.4	96.4	96.5	97.3	97.3	97.5	98.4
. F	700			87.6	88.7	90.5	91.4	94.()	95.2	95.5	96.4	96.4	96.5	97.3	97.3	97.5	98.4
J.F	6001			87.C	88.7	40.5	71.4	94.0	95.2	95.5	76.4	96.5	96.6	97.4	97.4	97.6	98.5
. E	5001			87.0	88.7	90.5	91.4	94.0	95.2	95.5	76.4	96.5	96.6	97.4	97.4	97.7	98.6
r, e	400			87.0	99.7	90.5	91.4	94.0	95.2	95.5	96.4	96.5	96.6	97.4	97.4	97.8	99.0
3 E	30n l			87.L	28.7	90.5	91.4	94.0	95.2	95.5	76.4	96.5	96.6	97.4	97.4	97.8	99.0
a E	1001			87.1	98.8	90.6	71.5	94.1	95.3	95.6	96.5	96.6	96.7	97.5	97.5	97.9	99.3
, τ	1001			87.1	88 .8	90.6	91.5	94.1	95.3	95.6	96.5	96.6	96.7	97.6	97.6	98.0	99.7
3 E	91			87.1	88.6	90.6	91.5	94.1	95.3	95.6	96.5	96.6	96.7	97.6	97.6	0.0	100.0

GLOBAL CLIMATOLOGY BRANCH

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VIRSUS VISIBILITY FROM HOUPLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 77-86 STATION NUMBER: 042020 STATION NAME: THULE AR GL MONTH: MAR HOURS (LST): 1200-1400 VISIBILITY IN STATUTE MILES VISIBILITY IN STATUTE MILES

GE GE GE GE GE GE

3 2 1/2 2 1 1/2 1 1/4 1 TN | GE GE GE GE FEET | 10 6 5 4 GE GE GE GE 3/4 5/8 1/2 5/16 G£ 1/4 NO CETE 1 6E 200001 GE 180001 U. 160UO 6E 140001 GF 120001 se ionani 90001 GE 80001 6 E 60001 98.6 88.6 88.9 89.7 91.0 91.0 91.9 92.7 85 . 6 G.F Seunt 85.7 89.0 89.8 90.1 90.1 91 . C 91.1 91.4 91.6 97.3 92.7 89.0 89.5 90.3 91.1 92.0 92.0 91.6 92.5 93.4 85.7 89.8 90.1 90.1 91.0 91.4 92.3 92.7 86 .6 5.E 40001 90.4 90.8 90.8 86.7 87.6 91.6 91.6 92.7 93.2 35001 30001 89.7 92.0 93.1 93.7 GΕ 25001 87.2 88.1 90.3 92.4 92.5 93.0 92.6 92.6 93.7 93.7 93.8 94.2 94.4 95.2 95.8 96.3 97.0 20001 94.5 95.0 88.4 90. A 91.4 93.1 93.1 94.3 94.4 94.8 51 87.6 93.2 94.5 94.6 18001 87.7 90.9 91.5 93.2 94.4 94.9 95.2 95.9 97.1 93.6 94.8 25.7 97.7 LE 15001 87.7 99 .6 20.9 91.6 95.5 96.5 12001 89 .6 90.9 91.6 93.0 24.8 95.5 95.5 95.5 95.6 93.7 93.7 93.7 tougl 87.8 87.8 91.0 91.0 91.7 93.1 93.7 93.7 93.7 95.2 95.2 95.2 96.1 48.1 98.1 88.7 95.4 9001 83.7 91.7 95.9 96.1 96.9 96.5 8001 87.8 89.7 91.0 96.3 96.5 97.2 GE 91.7 95.1 95.2 95.5 95.6 96.5 97.2 98.5 95.5 93.1 95.6 G € 6001 87.8 PB . 7 91.0 91.7 93.7 93.7 95 . . 46.3 96.5 97.2 96.5 runt 87.c 87.8 91.0 91.0 91.1 93.7 95.2 95.2 95.5 95.6 96.4 26.6 97.4 46.6 96.7 91.7 93.7 96.4 96.6 47.4 4001 95.2 95.2 95.5 93.7 95.6 ij.F 3001 d7.6 88 .7 91.0 91.7 93.1 93.7 96.4 96.6 97.5 93.7 93.7 96.4 99.2 2001 96.6 87.8 88 . 7 91.0 91.7 93.1 1001 45.6 96.6 47.5 99.3

TOTAL NUMBER OF OPSERVATIONS:

91.0

Ad . 7

91.7

93.1

93.7

+3.7

95.3

9r.6

95.7

96.7

97.7 100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VEHSUS VISIPILITY FROM HOUPLY OBSERVATIONS

STA	TION	NUMBE	R: 04	2020	STATION	NAME:	THULE	AR GL	GL FERIOD OF PECORD: 77-8% MONTH: MAR HOURS(LSTI: 1500-1700					0.0				
	LING		• • • • •	• • • • •	• • • • • • • •	•••••	• • • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • •
11		I GE		GE	G E	5 E	GE	GE	GE.	GF	GE	6E	, 6L	G E	GE	Gf	GE	GE
FEI	E T	1 1	0	6	5	4	3	2 1/2	2	1 1/2		1	7/4	5/8	1/2	1/16	1/4	0
• • • •	• • • •	• • • • • •	• • • •	• • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •		• • • • • •	• • • • • •	
NO (	CEIL	1																
GE :	20001	2.1																
	18200																	
ь F	16000	01																
G.E.	14000	ן נו																
6.5	15000	01																
G.F	10066	n 1																
GE	9000																	
61	8000																	
GE	1001	2																
Ŀξ	6000	o i																
4 f	5000	7.1			84.4	85.5	87.2	87.8	89.0	89.7	89.7	90.9	91.0	91.1	91.7	91.7	92.1	72.9
G E	4500				84.7	95.8	87.4	88.1	89.3	89.9	89.9	91.1	91.2	91.3	71.9	71.9	92.3	93.1
GE	4000				85.3	86 .6	88.3	88.9	90.3	90.9	90.9	72.4	92.7	92.8	93.4	93.4	91.9	95.0
G i	3500				85.7	87.0	89.7	89.4	90.7	91.3	91.3	72.9	91.1	93.2	93.9	94 . U	94.4	95.5
GE	3ตมถ				85.5	97 .2	69.2	89.8	91.3	92.1	92.1	93.6	93.9	94.0	94.6	94.7	95.2	96.4
65	2500	a 1			86 • L	e7.4	89.4	9G • G	91.6	92.6	92.6	24.2	94.4	94.5	95.2	25.3	55.7	96.9
6.5	2000				86 • 1	87.5	89.7	70.4	92.0	93.0	93.0	94.6	94.9	95.0	95.7	95.9	96.6	97.9
f, r	1800				86.1	87.5	89.7	90.4	92.0	93.0	93.0	94.6	94.9	25.0	95.7	95.9	96.6	97.9
61	1500				86.1	87.5	89.7	90.4	92.0	93.0	93.0	94.6	94.9	25 U	95.7	95.9	96.6	97.9
G E	1200				86.1	87.5	89.7	90.4	92.0	93.0	93.1	94.9	<b>∀</b> 5 • 1	95.2	95.9	76.2	96.8	98.1
u f.	LOUG	n I			86.1	87.5	89.7	90.4	92.0	93.1	93.2	95.0	95.2	95.3	96 - 1	n6.3	.6.0	46.2
6.6	900				86.1	87.5	87.7	90.4	92.0	93.1	93.2	95.0	45.5	95.3	96.1	96.3	96.9	96.2
5 f.	800				86.1	87.5	89.7	90.4	92.0	93.2	93.3	95.1	95.3	95.4	96.2	96.4	97.0	98.4
GE	700				86 • 1	97.5	87.7	90.4	92.0	93.2	93.3	95.1	95.3	25.4	96.2	96.4	97.0	96.4
üΕ	600				86.1	87.5	89.7	90.4	92.0	93.2	93.3	95.1	95.3	95.4	96.2	76.4	97.0	98.4
5 E	Sur	2.1			86.1	87.5	H9.7	90.4	92.0	93.2	93.3	95.2	95.4	95.5	96.3	96.5	97.2	96.6
65	400				86.1	87.5	89.7	90.4	92.0	93.2	93.3	95.2	95.4	95.5	96.3	96.5	97.2	96.6
υF	701				86.1	87.5	59.7	96.4	92.0	93.2	93.3	95.	95.4	95.5	96.3	96.5	97.2	96.7
S.E.	200				86.1	87.5	89.7	90.4	92.0	93.2	93.3	95.2	95.4	95.5	96.3	96.5	97.3	98.8
G F	160				86.1	H7.5	69.7	20.4	92.0	93.2	93.3	95.2	95.4	95.5	96.3	76.5	47.4	99.3

6[ 6] 86.1 87.5 89.7 90.4 92.0 93.2 93.3 75.2 95.4 95.5 96.3 96.5 97.5 105.0

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIFILITY FROM HOURLY OBSERVATIONS

Lange   Lang	STATION NUMPER: 042		-			PEPIOD OF PEC	HOURS(LST): 1	- ·
The control   The control		• • • • • • • • • • • • • • • • • • • •					• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
L 200001  Of 180001  Of 180001  Of 190001  O	IN   GE G	6 5 4	3 2 1/2	GE GE 2 1 1/2	GE GE 1 1/4 1	5E GE 7/4 5/8	1/2 5/16	
Fig.   Fig.	NO CEIL							
	6							
UF         45001         84.7         85.1         86.0         86.3         87.7         88.2         88.4         89.8         89.8         89.2         90.2         90.3         90.6         90.8           UF         410.01         84.7         86.1         87.0         87.3         88.0         89.6         89.8         91.1         91.2         91.8         91.9         92.1         92.4         92.4         92.0         92.0         92.7         92.2         92.7         92.9         93.2         97.4         93.4         94.0         94.1         94.3         94.7         94.2         94.3         94.0         94.7         94.3         94.6         94.9         94.0         94.1         94.3         94.0         94.1         94.3         94.6         94.9         94.7         94.2         94.3         94.6         94.9         94.6         94.9         94.2         94.3         94.0         94.9         95.0         95.3         95.7         95.7         94.2         94.3         94.6         94.9         94.7         94.2         94.3         94.0         94.9         95.0         95.0         95.3         95.7         96.0         96.0         96.0         96.	GF 9000] GF 8000] GF 7000]							
of         26001         85.9         87.1         68.6         89.2         91.0         92.0         92.6         94.0         94.2         94.3         94.9         95.0         95.3         95.7           0f         18001         85.9         87.1         88.8         89.0         89.6         91.6         92.7         94.1         94.3         94.4         95.0         95.1         95.4         95.8         95.8         95.6         95.7         96.0         95.8         95.0         95.0         95.0         95.0	6: 4500  6: 4030  6: 3:00	84.2 85.1 84.7 86.1 45.4 86.7	86.9 86.3 87.0 87.3 87.6 88.0	87.7 88.2 89.0 89.6 89.7 90.2	88.4 89.8 89.8 91.1 90.6 91.9	89.8 89.8 91.2 91.2 92.0 92.0	90.2 90.3 91.8 91.9 92.6 92.7	90.6 90.8 92.1 92.4 92.9 93.2
51         9001         85.9         87.2         89.0         89.6         91.6         92.9         93.4         94.0         95.1         95.2         96.0         96.1         96.6         96.9           51         8001         85.9         87.2         89.0         89.6         91.6         92.9         93.4         94.9         95.1         95.2         96.0         96.1         96.6         96.9           61         701         85.9         87.2         89.0         89.6         91.7         93.1         93.7         95.1         95.3         96.1         96.2         96.3         96.8         97.2           61         6001         85.9         87.2         89.0         89.6         91.7         93.1         93.7         95.1         95.3         95.4         96.2         96.3         96.8         97.2           61         4001         85.9         87.2         89.0         89.6         91.7         93.1         93.7         95.1         95.3         95.4         96.2         96.3         96.8         97.2           61         4001         85.9         87.2         89.0         89.6         91.7         93.1         93.7<	et 1888  et 1888  et 5686	85.9 87.1 85.9 87.1 85.9 87.2	68.6 89.2 88.8 89.2 89.0 89.6	91.0 92.0 91.0 92.1 91.6 92.7	92.6 94.6 92.7 94.1 93.2 94.7	94.2 94.3 94.4 94.9 95.0	94.9 95.0 95.0 95.1 95.6 95.7	95.3 95.7 95.4 95.8 96.0 96.3
60 4001 85.9 87.2 89.0 89.6 91.7 93.1 93.7 95.1 95.3 95.4 96.2 96.3 96.9 97.6 66 1001 85.9 87.2 89.0 89.6 91.7 93.1 93.7 95.1 95.3 95.4 96.2 96.3 96.9 97.7 66 2001 85.9 87.2 89.0 89.6 91.7 93.1 93.7 95.1 95.3 95.4 96.2 96.3 96.9 97.9	5F 900F 5F 800T 6F 700F	85.9 87.2 85.9 87.2 85.9 87.2	89.0 89.6 89.0 89.6 89.0 89.6	91.6 92.9 91.6 92.9 91.6 93.0	93.4 94.9 93.4 94.9 93.6 95.0	95.1 95.2 95.1 95.2 95.2 95.3	96.0 96.1 96.0 96.1 96.1 96.2	96.6 96.9 96.6 96.9 96.7 97.0
Uf 1001 85.9 87.2 89.0 89.6 91.7 93.1 93.7 95.1 95.3 95.4 96.2 96.3 96.9 99.1 Uf 04 85.9 87.2 89.0 89.6 91.7 93.1 93.7 95.1 95.3 95.4 96.2 96.3 97.0 100.0	6f 4001 6f 4001 6f 2001 6f 2001	85.9 87.2 85.9 87.2 85.9 87.2 85.9 87.2	89.0 89.6 89.0 39.6 89.0 89.6 89.1 89.6	91.7 93.1 91.7 93.1 91.7 93.1 91.7 93.1	93.7 95.1 93.7 95.1 93.7 95.1 93.7 95.1 93.7 95.1	95.3 95.4 95.3 95.4 95.3 95.4 95.3 95.4	96.2 96.3 96.2 90.3 96.2 96.3 96.2 96.3	96.9 97.6 96.9 97.7 96.9 97.9 96.9 99.1

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AE GL
--

STATION NUMBER: 042020					MONTH: MAR			
CEILING	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		IN STATUTE MIL		• • • • • • • • • • • • • • • • • • • •		
IN   GE GE FEET   10 6	GE GE 5 4		GE GE 2 1 1/2	GE GE 1 1/4 1	ñ€ G1 3/4 5/8	GE GE 1/2 5/16	ΓΕ GE 1/4 O	
NO CEIL								
GE 12000  GE 14000  GE 14000  GE 12000								
61 6000  67 Junul 61 8000  61 5000								
GF 5000  GE 4500  GE 4800  GE 3590	85.9 87.4 85.9 87.4 87.0 88.6 87.2 88.9	88.8 89.0 88.9 89.1 90.1 90.3 90.3 90.5	90.1 90.6 90.2 90.8 91.8 92.3 92.0 92.7	90.8 91.0 90.9 91.1 92.4 92.7 92.8 93.0	91.0 91.0 91.1 91.1 92.9 92.9 93.2 93.2	91.0 91.2 91.1 91.3 93.1 93.3 93.4 93.7	91.5 91.5 91.6 91.6 93.7 93.7 94.0 94.0	
GE 30gg1 GE 25001	87.3 89.1	91.1 91.3	92.8 93.5	94.0 94.2	94.2 94.2	94.4 94.7	95.0 95.1	
GF 2000  GE 1600  GE 1500	87.6 89.4 87.6 89.4 87.6 89.5	91.4 91.6 91.4 91.9 91.5 92.0	93.1 94.0 93.3 94.2 93.4 94.3	94.2 94.8 94.4 95.0 94.5 95.1	95.0 95.0 95.2 95.2 95.3 95.3	95.2 95.4 95.4 95.7 95.5 95.8	95.8 96.1 96.0 96.3 96.1 96.4	
Gf 17001	87.( 89.5	91.5 92.0	93.4 94.5	94.5 95.1	94.3 95.3	95.5 95.8	96.1 96.4	
6f 10001 6f 9001 of 8001	87.6 89.5 87.6 89.5 87.6 89.5	91.6 92.1 91.6 92.1 91.6 92.1	93.5 94.4 93.5 94.4 93.5 94.4	94.7 95.2 94.7 95.2 94.7 95.2	95.7 95.7 95.7 95.7 95.7 95.7	96.0 96.2 96.0 96.2	96.5 97.0 96.5 97.0 96.5 97.1	
of edu!	87.6 89.5 87.6 89.5	91.6 92.1	93.5 94.4 93.8 94.7	94.7 95.2 94.9 95.4	95.7 95.7 95.9 95.9	96.0 96.2 96.2 96.5	96.5 97.1 96.9 97.4	
61 5001 61 4001 61 3001 61 2001 61 1001	87.6 89.5 87.6 89.5 87.6 89.5 87.6 89.5 87.6 89.5	91.6 92.1 91.6 92.1 91.6 92.1 91.6 92.1 91.6 92.1	93.8 94.7 93.8 74.7 93.8 94.7 93.8 94.7 93.8 94.7	94.9 95.7 94.9 95.7 94.9 95.7 94.9 95.7 94.9 95.7	96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.2 96.1 96.2	96.5 96.9 96.5 96.9 96.5 96.9 96.7 97.0 96.7 97.0	97.2 97.8 97.4 96.1 97.4 68.2 97.6 98.6 97.7 99.2	
6f n†	87.6 A9.5	91.6 92.1	93.8 94.7	94.9 95.7	96.1 96.2	96.9 97.2	97.9 160.0	

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF RECORD: 77-86 MONTH: MAR HOURS(LST): ALL CETLING GE 1/4 GF U NO CEIL I GF 2000C4 6E 180001 6L 14006 GF 120001 68 100001 10078 30 GE 70.001 6E 60001 50001 HF.8 88.9 89.7 90.4 91.5 92.6 93.1 91.5 92.7 93.2 93.9 91.8 93.1 93.5 89.9 90.8 91.3 92.2 92.5 85.6 86.7 E7.1 87.8 88.5 90.4 90.5 91.5 91.9 υ£ 45001 40001 (, E 98.1 91.9 92.9 93.9 35001 86.6 89.7 90.1 91.2 91.8 93.6 94.4 30001 94.2 95.6 o E G E 25001 92.1 94.0 94.3 94.8 95.1 87.0 98 .0 90.5 90.9 92.9 93.0 94.7 92.7 92.8 93.0 93.6 95.1 95.2 95.5 89.0 91.4 93.6 93.8 74.8 95.0 95.6 95.7 20001 87.3 87.4 90.9 95.5 95.9 96.5 91.0 96.1 96.6 6.5 18001 95.6 15001 87.4 91.0 95.2 95.4 96.0 12601 87.4 89.1 0.10 91.6 93.0 93.9 94.0 95.2 95.5 95.5 95.9 96.0 96.9 45.8 95.8 95.9 95.9 91.1 91.6 95.5 G E 10001 87.5 89.2 93.1 94.0 94.2 95.9 96.3 96.4 96.8 97.4 97.4 87.5 89 .2 93.1 94.0 95.9 96.3 96.4 76.8 υF 9001 94.2 υſ AUDI 87.5 89.2 91.1 91.6 93.1 94.0 94.2 95.5 95.5 45.5 96.6 96.7 97.0 97.7 96.0 96.6 b F 7001 37.5 91.1 89.2 6501 97.9 91.1 93.1 97.2 93.2 91.2 95.6 95.7 95.7 5001 87.5 87.5 96.D 96.2 96.9 97.0 91.1 91.1 91.6 89.2 94.3 is F 96.2 96.2 96.9 97.0 96.4 4004 04.1 97.6 91.1 97.6 3001 87.5 89 .. 91.7 94 - 1 94.3 94.7 96.6 G E 97.1 6, 0 2001 67.5 P9 .2 91.1 91.7 93.2 94 . 1 44.3 95.7 96.0 96.2 96.9 47.6 98.8 25.7 94.0 96 . 2 96.9 G.F 89.2 91.7 1001 87.5 91.1 91.2 94.1 44.3 ១៖ 87-5 89-2 21-1 21-7 93-2 97.2 97.8 100.0 61 94.1 94.3 95.7 96.1 96.2 97.0

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

					N NAME:							MONTH		HOURS	(LST): (		00
	LING	• • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • •	•••••			IN STATE			• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •
FE	IN I	I U GE	UE 6	GE 5	G E		GE 2 1/2	GE 2	G E 1 1/2	GE 1 1/4	6E 1	6£ 3/4	G F 5 / B	GE 1/2	GE 5/16	GE 1/4	6 E U
•••	• • • • • •	• • • • • •	• • • • • • •	•••••	•••••	• • • • • • •	•••••		• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •
0	CEIL I																
	200001																
	180001																
	160001																
E	140001																
F	150001																
r	100001																
Ė.	90001																
F	accol																
£	7000																
٢	6000																
£.	soud!			84.8	86 •2	87.2	87.5	65.8	89.2	89.6	90.1	90.1	90.1	90.4	9U.7	90.8	96.9
r	4560			85.4	86.7	87.8	88.1	89.4	89.8	90.1	90.7	90.7	90.7	90.9	01.3	91.4	91.5
E	40001			87.1	88.4	89.6	90.4	91.7	92.2	92.5	93.1	43.3	93.3	93.5	93.9	94.2	94.3
F	3500			87.2	88.6	89.8	90.6	92.0	92.5	92.9	93.4	9 7 . A	93.8	94.0	74.3	94.7	94.8
ŧ	3000			87.5	89.1	90.6	71.4	92.B	93.3	93.7	94.2	94.6	94.6	94.9	95.1	95.5	95.6
ĺ	25001			87.5	89.1	90.6	91.4	92.8	93.5	93.9	94.5	94.8	94.8	95.0	95.4	95.7	95.8
f	2000			88.1	89.8	91.3	92.2	93.5	94.3	94.7	95.2	95.6	95.6	95.8	96.1	16.5	96.6
F	1800			88.1	89.8	91.3	92.2	93.5	94.3	94.7	95.2	95.6	95.6	45.9	76.1	96.5	96.6
F	1,600			88.2	A9.9	91.4	92.3	93.8	94.7	95.0	95.7	96.N	95.0	96.4	76.7	97.1	97.2
F	12001			88.2	89.9	91.4	92.3	91.8	94.7	95.N	95.7	96.0	96 • U	96.4	96.7	97.1	97.2
E	10001			88.2	99.9	91.4	92.4	93.9	94.9	95.2	95.9	91.3	96.5	96.6	96.9	97.3	97.4
E	9001			68.4	89.9	91.4	92.4	93.9	94.9	95.2	95.9	91 3	96.3	96.6	96.9	77.3	97.4
F	2001			88.3	90 • 0	91.	92.5	94.[1	45.0	95.4	96.0	96.4	96.4	96.9	97.3	97.6	97.7
ŧ	7001			88.6	9.3.3	91.7	92.8	24.2	95 -2	95.6	96.3	96.6	96.6	97.2	27.5	97.B	0.0
ŧ	6001			88.1	93.4	91.8	35.9	94.3	95.4	95.7	76.4	96.7	96.7	97.3	77.6	98.0	98.1
f	5001			a8.7	93.4	91.8	92.9	94.3	95.4	95.7	75.6	96.9	96.9	97.6	98.0	98.4	98.5
Ė	430			88.7	90.4	91.8	72.9	94.3	95.4	95.7	76.6	91. 9	76.9	97.7	98.1	98.5	96.6
F	300			38.7	90.4	91.8	92.9	94.5	95.5	95.8	96.7	97.1	27.1	97.8	98.2	98.6	96.9
Ţ	200			88.7	93.4	91.3	92.9	94.5	95.5	95.B	96.7	97.1	77.1	97.8	98.2	48.6	99.4
f	1001			<b>ня.</b> 7	90.4	91.8	92.9	94.5	95.5	95.A	96.7	97.1	97.1	98.1	98.4	98.9	99.5
	0.1			00.7		01.0	0 . 0	0.0	01.1	44.0	٠, ١				<b>6 f</b>	50.0	100.0
F	0 (			38.7	90.4	91.8	95.4	94.5	95.5	45.8	96.1	97.1	97.1	98.2	98.5	44.0	100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

VISIALITY IN STATUTE HILES	STATION NUMBER: 042020			PEPIOD OF RECORD: 77-86 MONTH: APR HOURS(EST): 03U0-0500							
The composition   The compos		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •					• • • • • • • • • • • • • • • • • • • •			
6f 20000   6f 10000    6f 100000   6f 100000   6f 100000   6f 10000000000   6f 1000000000000000000000000000000	IN I GE GE FEET   10 6	5 4	3 2 1/2	GE GF 2 1 1/2	GE GE 1 1/4 1	CE GE 374 578	1/2 5/16	1/4 U			
Friendle   Friedle   Friendle   Friendle   Frieddle   F	NO CETE !										
GE 80001 GE 70001 GE	GF 18000  GE 16000  GE 14000										
GE 45001  GE 450	GE 9000  GE 8000  GE 7000										
GF 2000   87.6 89.1 90.9 91.6 93.6 93.8 94.1 95.4 95.6 95.6 96.1 96.1 96.6 96.7 96.1 1801   87.6 89.1 90.9 91.7 94.0 94.3 94.6 95.0 96.2 96.2 96.7 96.7 97.1 97.2   97.7 97.7 97.7 97.7 97.7 97.7 97.7 97	GE 45001 GE 40001 GF 35001	84.6 86.6 86.1 87.5 86.7 68.1	67.6 88.2 67.2 89.8 89.8 90.4	69.6 89.8 91.6 91.8 92.2 92.4	90.1 91.2 92.2 93.2 92.8 93.6	91.4 91.4 93.5 93.5 94.0 94.0	91.6 91.6 93.7 93.7 94.3 94.3	91.7 91.8 94.1 94.3 94.7 94.8			
6f       901       87.6       89.1       91.0       91.6       94.4       94.6       94.0       96.4       96.7       96.7       97.1       97.1       97.6       97.7         0F       8001       87.6       89.1       91.0       91.8       94.5       94.7       95.1       96.6       96.8       97.6       97.6       98.0       98.2         0F       7001       87.6       89.1       91.0       91.8       94.7       95.1       96.6       96.8       96.6       97.6       97.6       98.0       98.2         0F       6001       87.6       89.1       91.0       91.8       94.7       95.1       96.6       96.8       96.9       97.7 <td>  SE   2000     SC   1860     GE   1500  </td> <td>87.6 89.1 87.6 89.1 87.6 89.1</td> <td>90.9 91.6 90.9 91.6 90.9 91.7</td> <td>93.6 93.8 93.6 93.8 94.0 94.3</td> <td>94.1 95.4 94.1 95.4 94.6 95.0</td> <td>95.6 95.6 95.6 95.6 96.2 96.2</td> <td>96.1 96.1 96.1 96.1 96.7 96.7</td> <td>96.6 96.7 96.6 96.7 97.1 97.2</td>	SE   2000     SC   1860     GE   1500	87.6 89.1 87.6 89.1 87.6 89.1	90.9 91.6 90.9 91.6 90.9 91.7	93.6 93.8 93.6 93.8 94.0 94.3	94.1 95.4 94.1 95.4 94.6 95.0	95.6 95.6 95.6 95.6 96.2 96.2	96.1 96.1 96.1 96.1 96.7 96.7	96.6 96.7 96.6 96.7 97.1 97.2			
Uf 4U0] 87.6 89.1 91.0 91.8 94.5 94.7 96.7 96.9 97.0 97.8 97.8 98.3 98.4 Uf 3U0] 87.6 89.2 91.2 92.0 94.8 95.1 5.5 97.0 97.2 97.4 98.7 98.3 98.7 98.9 GE 200] 87.6 89.2 91.2 92.0 94.8 95.1 35.5 97.0 97.2 97.4 98.3 98.5 99.1 99.3 Uf 100] 87.6 89.2 91.7 92.0 94.8 95.1 35.5 97.0 97.2 97.4 98.3 98.5 99.1 99.9	51	87.6 89.1 87.6 89.1 87.6 89.1	91.0 91.6 91.0 91.8 91.0 91.8	94.4 94.6 94.5 94.7 94.5 94.7	94.0 96.4 95.1 96.6 95.1 96.6	96.7 96.7 96.8 96.8 96.8 96.6	97.1 97.1 97.6 97.6 97.6 97.6	97.6 97.7 98.0 96.2 98.0 98.2			
- 65 - 01 - 87.6 89.2 91.2 92.0 94.8 95.1 95.5 97.0 97.2 97.4 98.3 98.5 99.1 100.0	61 4601 61 3001 61 2001	87.6 89.1 87.6 89.2 87.6 89.2	91.0 91.8 91.2 92.0 91.2 92.0	94.8 94.7 94.8 95.1 94.8 95.1	95.7 96.7 5.5 97.0 95.5 97.0 95.5 97.0	96.9 41.0 97.2 91.4 97.2 97.4 91.2 97.4	97.8 97.8 98.2 98.3 98.3 98.5 98.3 98.5	98.3 98.4 98.7 98.9 99.1 99.3 99.1 99.9			

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECOPO: 77-86 STATION NUMBER: 042020 STATION NAME: THULE AB GL MONTH: APR HOURS(LST): 0600-0865 NO CELL I UL 500001 GE 180001 GE 160001 GE 14800 GE 120001 GF 100001 90001 6E 80001 70001 GΕ 60 60001 97.5 90.7 92.5 93.2 90.7 96.9 97.7 93.4 84.1 84.1 89.4 89.7 49.7 89.9 89.7 89.9 70.1 90.1 90.3 92.2 92.8 50001 85 • 1 85 • 2 86.4 66.5 88.0 68.9 88.2 89.8 90.5 88.8 90.3 36.6 88.1 GF 45 J [] 91.6 40001 86 .5 90.5 91.4 91.6 91.9 92.3 91.0 6.1 35001 85.7 87.2 88.6 88.8 91.1 30001 86.6 25001 86.9 90.0 92.2 94.4 94.4 91.0 95.6 G F 20001 18001 86.9 88.4 88.4 90.1 90.2 92.3 92.8 92.8 93.2 93.1 93.1 94.1 94.4 94.8 95.0 95.0 95.5 95.7 95.7 90.2 94.8 45.5 96.3 15001 86.9 88.4 90.2 90.3 92.6 93.4 94.7 95.0 35.3 75.6 96.0 95.2 95.6 95.9 26.1 () F 17001 87.3 88 .8 90.7 20.9 93.2 93.8 y4 . f 95.6 96.8 1005 l 88.8 88.8 90.7 90.9 96.9 93.3 93.9 93.9 97.0 67. 1 94.1 25 - 7 46.0 96 - 11 96.4 96.6 97.1 96.6 95.7 95.8 87.3 90.7 94.1 96.0 76.0 96.4 97.<sub>0</sub> 97.3 ы 94.1 47.6 97.6 87.3 98.8 88.8 9n.7 90.7 93.3 93.9 96.1 96.1 96.1 96.9 96.9 97.8 BURI 90.9 H7.3 95.8 7601 96.9 bί 93.3 45.6 96.1 97.2 97.8 93.5 93.5 93.5 97.2 97.4 98.1 6 F 6 F sae J 87.5 90.9 96.0 98.2 96.(, 90.9 90.9 94.5 4001 87.3 88.8 91.1 94.1 94.3 96.5 98.3 700 87.3 21.1 94 .2 94.4 56.6 96.6 97.4 97.6 99.2 78.4 93.5 94.4 16.3 6 f 2 0 n t 87.5 88.8 90.9 91.1 94.2 96.4 26.8 97.6 98.0 98.9 99.1 1101 90.9 าไ 87.3 88.8 90.9 91.1 93.5 94.2 94.4 96.4 91.8 76.8 77.6 98.0 98.9 100.0

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

PERIOD OF RECORD: 77-85
HONTH: APF HOURS(LST): 0900-1100 STATION NUMBER: 042020 STATION NAME: THULF AB GL

C1 IL I%G	• • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •			N STATIL	TE MILES			• • • • • • •	• • • • • •		
IN LOE GF		G	GE 2 1/2	GE	6E 1 1/2	GE	68	6E 3/4	5 ( 5 / 8	GE 1/2	GE 5/16	GE 1/4	6 € 0
											.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1/7	
NO CETE 1													
61 230001													
0f 195001													
55 100001													
UL 140001													
GE 129691													
GE 130001													
GE PHET!													
GE 80091													
UI 7000[													
ST 60001													
61 573J		5 - 1 87 - 1	87.2	88.7	89 - 1	09.1	P 7 . 5	57.6	40.0	89.7	9(1.0)	90.0	90.5
6F 45UP		5.7 87.8	97.9	89.4	89.8	59.B	1.09	90.3	90.3	20.4	20.7	90.7	91
JF 40001		7.1 89.2	89.8	91.3	92.0	92.0	92.3	97.4	97.4	92.6	33.0	43.0	93.4
na shan i		7.5 89.1	90.3	92.1	92.8	42.8	73.1	97.7	93+2	93.4	93.6	94.8 94.4	94.2
n. 21.01.)	87.3 A	8.6 90.7	91.6	91.5	94.3	94.3	94.7	94.9	94.5	95.7	0.2 * 4	1 4	95.8
08 25001	. 7		92.0	99.0	94.8	94.8	95.2	96.4	35.4	95.6	95.9	, L , Q	46.4
05 25001 55 20001		8.9 91.3 9.4 92.0	92.9	94.9	25.7	95.7	26.1	96.3	96.3	96.5	26.4	16.8	97.3
51 1800 L		9.4 92.0	92.9	94.9	95.7	95.7	76.1	96.3	96.3	96.5	96.8	96.	91.3
5. 15001 5. 15001		9.4 92.0	92.9	95.2	96.0	46.L	26.6	46.7	96.7	96.9	97.5	97.5	21.7
01 12001		9.4 92.3	23.2	95.6	96.4	96.4	36.9	97.1	27.1	77.3	27.6	37.6	46.1
01 (700)	9	7	,,,,,	71.0	70 • 4	70.7				,	.,		• • • •
6f 1f 66 l	88.2 8	9.7 92.5	93.5	96.0	96.8	96.8	27.4	97.4	97.5	97.1	28.1	45.1	98.5
67 9381		9.1 92.6	23.5	96.)	96 .h	96.8	97.4	97.5	97.5	47.7	76.1	y 2 . }	78.5
65 8521		9.7 92.6	93.5	96.0	96.8	96.8	97.4	91.5	27.5	97.7	98.1	94.1	98.5
07 7001		9.7 97.6	93.5	96.0	96.8	96.8	97.4	97.5	47.5	97.7	98.1	VA. 1	98.4
64 (96)		9.9 97.9	93.6	96.3	97.1	97.1	97.6	44.0	98.5	98.2	98.5	99.6	99.1
•			0		· · · -								
68 5001	ਲਜ਼-4 9	9.9 93.0	93.9	96.4	91.2	97.2	97.7	90.1	98.1	99.4	98.8	99.9	99.3
51 4JD]		9.9 93.8	91.9	96.4	91.2	47.2	97.7	90.1	98.1	98.4	98.8	18.9	99.3
ut ≛uoi		9.9 93.0	93.9	96.4	97.2	97.2	97.7	98.1	99.1	98.5	76.9	99.0	49.4
6F 2Č01	88.4 3	9.4 91.0	93.9	96.4	97.0	97.3	01.1	91.1	99.1	99.5	08.9	99.0	69.7
61 1051	69.4 A	19.9 93.1	93.9	96.4	97.2	97.2	97.8	94.5	98.2	98.6	29.4	10.1	1000
64 91	ற்க். ч ச	9.9 93.0	93.7	96.4	91.7	41.2	27.8	90.	04.2	98.6	99.0	99.1	100.0
			<i></i>								• • • • • •		• • • • • • • • • •

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

			-	STATIO	_	_						MONTH		HOURS	(LŠT):	1200-14	00
	LING	• • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •			IN STATE			• • • • • •	• • • • • •	• • • • • • •		
F E	IN   ET (		GE 6	GE 5	3 E 4		GE 2 1/2	6 <b>t</b> 2	G E 1 1/2	ĢΕ	GE 1	GE 3/4	GE 5/8	GE 1/2	6E 5/16	GE 174	GE U
N 0	CLIL I																
GE GE	100031 100081 100081 10001 120001																
6E 6F 6F 6E 6E	10000   9000   8600   7000   6000																
6.5	50001			83.4	94.7	86.3	87.2	88.3	88.9	9.35	89.0	80.4	89.4	89.5	89.6	89.6	90.2
GΕ	4500			83.6	85 .Z	86.8	87.1	88.8	89.4	89.4	89.5	89.8	89.8	89.9	90.0	911.0	90.6
6.5	40001			85.0	86 .4	88.1	89.1	90.3	90.8	91.0	91.2	91.7	91.7	92 • 1	92.2	92.2	93.1
GΕ	35001			86 • 3	87.8	89.5	90.5	91.9	92.4	92.5	92.8	93.3	93.3	93.7	03.8	93.8	94.7
6-	30001			86.7	1.63	89 · 8	90.8	92.2	92.9	93.0	93.2	93.8	93.6	94.5	94.6	34.6	95.5
G.E.	25001			86.8	88 .2	89.9	91.0	92.4	93.1	93.2	93.4	94.0	94.0	94.7	94.8	94.B	95.7
GE	20001			86.8	89.6	90.5	91.6	93.4	94.2	94.1	94.7	95.2	95.4	96.0	96.2	96.2	97.1
5 E	18501			86.8	88.6	90.5	91.6	93.4	94.2	94.3	94.7	95.2	95.4	96.0	96.2	96.2	97.1
GE	15001			86.8	88 .6	90.5	91.6	93.6	94.3	94.5	94.9	95.6	95.7	96.4	96.5	96.5	97.4
ű (	12001			86.8	48.b	90.5	91.9	93.8	94.6	94.7	95.1	95.8	95.9	96.6	96.7	96.7	97.6
	10001			a <b>7</b> 1		00.0	0.3	0 1			25 5			07.3	07.7	6.7.3	0
G E G E	) 0001   00 <i>0</i>			87.1	88.9 88.9	90.8 90.8	92•2 92•2	94 • 1 94 • 1	94.9	95.0 95.0	95.5 95.5	96.2 96.2	96.4 96.4	97.2 97.2	97.3 97.3	97.3	98.2 98.2
is E	1006			87.1	9B • 9	90.8	92.2	94.1	94.9	95.0	95.5	96.2	96.4	97.2	97.3	97.3	98.2
Ģŧ	70n1			97.2	89.0	91.1	92.4	94.3	95.1	95.2	95.7	96.4	96.6	97.4	97.7	97.7	96.0
6.5	6001			87.3	99.1	91.2	92.5	94.5	95.2	95.4	95.8	96.5	96.7	97.6	98.0	98.0	98.9
.,,	0001			0		***	,,,,	,,,,,	. 3 • 6	,,,,,	, , , ,	70.7	,,,,,	,,,,	.0.0	, 0 . 0	, , ,
5.5	Supl			87.6	89.4	91.4	92.8	94.7	95.5	95.6	76.0	96.7	96.9	98.1	98.4	98.4	99.4
0.E	41101			37.6	89.4	\$1.4	92.8	94.8	95.6	95.7	96.2	96.8	97.1	98.2	98 • 6	98.6	99.7
ьí	•ani			87.6	89.4	91.4	92.8	94.8	95.6	95.7	96.2	96.9	97.2	98.3	98.8	98.8	99.5
., ,	2001			87.6	A9 . 4	91.4	92.8	94.8	95.6	95.7	96.2	96.9	97.2	98.3	98.8	98.8	99.8
( <sub>2</sub> 1	1301			87.€	89.4	91.4	92.8	94.8	95.6	95.7	96.2	96.9	97.2	98.3	98.8	98.8	100.0
, 1	o į			87.6	89.4	91.4	92.8	94.8	95.6	95.7	96.2	96.9	97.2	98.3	98.8	98.8	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
FROM HOUPLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020					PERIOD OF REC	HOURS (LST):	
CF1LING IN   GE GE FEET   IO 6	GE SE	6E 6E 3 2 1/2	VISIBILITY CE GF 2 1 1/2	IN STATUTE MIL GE GE 1 1/4 1	ES TE GF 3/4 5/8	GE GE 1/2 5/16	GE GE 174 0
NO CEIL I							
G! 20000  GE 16000  GE 16000  GE 12000  GE 12000							
06 10000  06 9000  06 7000  07 6000							
67 5000) 08 45001 67 46001 08 3500) 07 36001	83.6 95.1 84.0 95.3 85.6 86.6 85.7 87.3 85.8 97.5	86.9 87.3 87.2 97.5 88.9 89.2 89.8 90.1 90.1 90.5	88 · 2 89 · 1 88 · 4 89 · 3 90 · 1 91 · 1 91 · 1 92 · 2 91 · 5 92 · 7	89.2 A9.7 89.4 A9.9 91.3 91.6 92.3 92.8 93.0 93.5	89.7 89.8 89.9 90.0 91.8 91.9 92.8 93.0 97.5 93.6	89.9 99.9 90.1 90.1 92.2 92.4 93.2 93.4 93.9 94.1	90.1 90.1 90.3 90.3 92.7 92.7 93.8 93.8 94.4 94.4
65 2506 67 2000 66 1800 66 1500 67 1200	86.5 88.2 86.8 88.5 87.6 88.8 87.6 98.9 87.2 89.1	90.8 91.1 91.1 91.6 91.4 91.8 91.5 91.9 91.7 92.2	92 • 2 93 • 4 92 • 8 94 • 1 93 • 1 94 • 3 93 • 3 94 • 5 93 • 5 94 • 8	93.6 94.2 94.3 95.0 94.5 95.2 94.8 95.7 95.0 95.9	90.2 94.3 95.0 95.1 95.2 95.3 95.7 95.8 95.9 96.0	94.5 94.8 95.3 95.6 95.6 95.8 96.0 96.3 96.3 96.5	95.1 95.1 95.9 95.9 96.1 96.1 96.6 96.6 96.8 96.8
6t 10001 0t 7001 6t 8001 6t 7001 6t 6001	87.3 89.3 97.3 89.3 87.3 89.3 67.4 89.4 87.6 89.7	91.9 92.4 91.9 92.4 91.9 92.4 92.0 92.5 92.3 92.7	97.9 95.3 93.9 95.3 93.9 95.3 94.0 95.5 94.2 95.7	95.6 96.5 95.8 96.7 95.8 96.8 95.9 96.9 96.1 97.2	96.5 96.7 96.7 96.9 96.8 97.0 96.9 97.2 97.2 97.5	96.9 91.2 97.2 97.4 97.3 97.5 97.4 97.6 97.7 96.0	97.5 97.5 97.7 97.7 97.8 98.1 98.0 98.2 98.3 98.5
01 5001 01 4001 00 5001 01 2001 01 1001	87.6 89.7 87.6 89.7 87.6 89.7 57.6 89.7 57.6 89.7	92.3 92.7 92.3 92.7 92.3 92.7 92.3 92.7 92.3 92.7	94.2 95.7 94.2 95.7 94.2 95.7 94.2 95.7 94.2 95.7	96.1 97.2 96.1 97.2 96.1 97.2 96.1 97.2 96.1 97.2	97.2 97.5 97.7 97.5 97.3 97.6 97.3 97.6 97.3 97.6	97.8 98.1 97.8 98.1 98.0 98.2 99.0 98.2 98.0 98.2	98.4 48.6 99.4 98.4 98.6 49.3 99.8 99.5 98.8 99.8
or at	87.6 89.7	92.3 92.7	94.2 95.7	96.1 97.2	97.3 97.6	98.1 98.3	99.9 100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF FECORD: 77-86 MONTH: APR HOURS(LST): 1800-2000 VISIBILITY IN STATUTE MILES
GE GF GE GE GE
2 1 1/2 1 1/4 1 3/6 CEILING GF IN I GE GE GE UF GE GE 6 5 4 3 2 1/2 G F 5/8 1/2 5/16 NO CEIL I 5E 200001 GE 18000 | 65 160001 61. 140001 66 100001 6.1 enne i 80001 5 E G F 70001 60001 87.6 87.6 89.2 89.3 86 •4 86 •4 87 •2 G. F Sout L 95.A 87.6 89.1 90.0 90.2 9p.7 90.9 91.0 91.0 91.0 91.3 90.9 97.9 93.4 91.0 93.1 93.5 91.D 93.1 91.0 93.1 91.3 45001 89.3 90.2 90.7 91.1 93.3 85.8 87.6 90.0 GE 86.6 40001 92.0 92.3 92.1 92.7 93.2 G E 89.2 91.0 89.3 91.2 93.5 35001 43.7 94.0 30 oo t 89.9 89.9 94.5 25un| 90.7 9C.7 95.1 95.3 95.4 95.6 95.6 89.2 93.3 93.4 95.3 95.4 95.2 96.7 GE 20001 87.9 91.2 91.2 94 . 6 76.0 96.4 96.5 96.5 96.9 16001 94.8 96.5 96.6 96.6 93.6 95.8 96.9 97.2 97.3 15001 88.0 89.3 91.3 91.5 96.6 96.8 97.4 97.6 91.5 89.4 89.4 89.6 89.9 91.5 91.7 91.9 10001 88.2 97.2 97.3 97.5 97.5 97.7 97.9 6.5 91.8 95.4 95.8 96.1 96.9 94.0 92.1 94.3 97.4 97.6 97.6 97.8 97.1 9001 96.6 97.9 97.9 98.2 98.4 5 f 96.8 96.9 98.2 98.4 8001 88.6 96.0 98.2 98.7 92.0 700 92.5 97.7 98.1 6001 88.8 90.1 92.6 94.8 96.2 97.0 98.4 99.0 98.1 98.1 98.1 98.1 8.88 8.88 92 • 1 92 • 1 94.8 94.8 96 •2 96 •2 97.0 97.7 97.8 97.8 98.2 98.2 5061 90.1 92.6 98.4 98.4 98.6 99.0 4001 90 • 1 92.6 98.4 98.4 98.6 99.U G.F 3001 88.8 90.1 92.1 92.6 94.8 96.2 97.0 97.8 97.8 98.2 98.4 98.4 98.4 98.6 98.6 99.0 2001 88.8 94.8 98.4 96.2 97.0 98.4 1001 97.0 98.2 98.4 98.6 99.4

96.2

4º.1

98.4

98.4

100.0

92.6

92.1

90.1

TOTAL NUMBER OF OBSERVATIONS:

0.1

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VIRSUS VISIBILITY FROM HOURLY OBSERVATIONS

SAFETAC FROM HOURLY

STATION NUMBER: 042020		ME: THULE AB	ūL			OF RECORD: 1	77-86 (S(LST): 2100-2	Nao
CEILING			VISIBILI	UTATA NI YFI	TE MILES			
IN 1 GE GE FEET 1 10 6	GE GE	GE GE 4 3 2 1/		SE GE 1/2 1 1/4	GE GE 1 3/4	GE GE 5/8 1/2	GE GE 5/16 1/9	6E 1 0
***************************************					_			
NO CEIL								
GE 20000								
GE 18000								
GE 16000								
GF 14000								
GE 12000								
65 100001								
GF 9000								
GE 80001								
GE 7000								
PE PDD01								
GF 50001	84.1 86.	0 87.1 87.	3 88.5 89	9.3 69.5	90.0 90.2	90.2 90.3	90.4 90.4	90.4
UF 4500	84.2 86.	1 87.3 87.	4 88.6 89	9.5 89.6	90.3 90.4	90.4 90.6	90.7 97.	90.7
UE 40001	85.5 87.			2.0 92.1	92.8 93.0	73.0 93.3		
6E 3000	85.6 87. 86.0 87.			2 · 1 92 · 2 2 · 6 92 · 7	92.9 93.5	93.5 93.7		
GE 30001	86.0 87.	9 89.9 90.	2 91.5 92	2.6 92.7	73.5 74.5	94.3 94.7	94.8 94.8	94.8
6F 2500	86.0 87.	9 90.4 90.	6 92.0 93	3.0 93.2	94.0 94.8	94.8 95.1	95.2 95.2	95.2
6F 2000	87.0 89.	J 91.5 92.	0 93.4 94	4.4 94.6	95.4 96.2	96 • 2 96 • 5	96.6 96.6	96.6
or 18001	87.L 89.			4.4 94.6	95.4 96.2	96.2 96.5		
GE 15001	87.1 89.			4.8 94.9	95.8 96.6	96.6 97.3		
66 12001	87.4 89.	3 92.0 92.	6 94.0 9	5.0 95.1	96.1 96.9	96.9 97.6	97.7 97.	7 97.7
SF 12001	87.4 89.	3 92.0 92.	6 94.0 99	5.0 95.1	96.1 96.9	96.9 97.6	97.7 97.	97.7
GE 9001	87.4 89.	3 92.0 92.	6 94.0 99	5.0 95.I	96.1 96.9	96.9 97.6	97.7 97.	7 97.7
9E PON	87.7 89.			5.4 95.5	96.4 97.2	97.2 97.9	•	
5r 700	87.7 89.			5.4 95.5	96.4 97.2	97.2 97.9		
6F 640	87.7 89.	7 92.4 92.	9 94.3 99	5.4 95.5	96.4 97.2	97.2 97.9	98.0 98.0	98.0
GF 5471	87.7 39.	7 92.5 93.	0 94.4 99	5.5 95.6	96.5 97.3	97.3 98.0	98-1 98-	98.1
GF 4001	87.7 59.			5.6 95.7	96.6 97.5	97.5 98.		
66 3901	87.7 89.			5.8 95.9	96.9 97.7	97.7 98.5		
6E 2001	87.8 89.			5.9 96.1	97.1 97.9	97.9 98.1		
65 1061	67.8 89.	8 92.8 93.	4 94.9 99	5.9 96.1	97.1 97.9	97.9 98.	7 98.8 99.1	99.7
of of	87.8 89.	8 92.6 93.	4 94.9 99	5.9 96.1	97.1 97.9	97.9 98.	7 98.8 99.1	100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

r i — <del>- rei</del>

STA	TION A	IUMRER:		STATIO			_					MONTH		HOURS	(LST):	ALL	
CEI	LING	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •			IN STATU			• • • • • • •	• • • • • • •			•••••
I.	N I		GE 6	GE 5	6 f 4		GE 2 1/≥	G£	GE 1 1/2	GE	GE 1	GE 3/4	6£ 5/8	GE 1/2	6E 5/16	GE 1/4	0 E
•	CEIL I																
6 E 6 E 6 E	20000   18000   16900   14000   12000																
G E	1 JOOO   9000   8000   7000   6000																
6 F	5000 I			84.3	85 -6	87.C	87.3	88.7	89.3	89.4	89.9	90.1	90.1	90.3	90.4	90.5	96.7
G F	4000			84.5 85.8	85 .a 87 .2	87.3 88.9	87.6 89.4	89.9 90.8	89.5 91.5	89.7 91.7	90.2 92.3	90.4 92.5	90.4 92.6	90.6 92.8	90 • 7 93 • 3	97.8 93.2	91.1 93.4
6 F	3500			86.3	87.7	89.5	89.5	91.5	92.2	97.4	93.0	93.3	93.3	93.5	93.7	93.9	94.2
υE	3000)			86.7	88 •2	90.1	90.6	92.2	93.0	93.2	93.9	94.2	94.2	94.5	94.7	94.9	95.2
G E	25001			86.9	88.5	90.5	91.U	92.6	93.4	93.7	94.3	94.7	94.7	95.0	95.2	75.4	95.6
ĿΕ	2000			87.4	89.0	91.1	91.7	93.4	94.3	94.5	95.2	95.6	95.6	95.9	96.1	96.3	96.6
G E	1800			87.4	89.0	91.1	91.7	93.4	94.3	94.6	95.3	95.6	95.7	96.0	96.2	96.4	96.6
GΕ	15001			87.5	89.1	91.2	91.8	93.7	94.6	94.9	95.7	96.1	96.1	96.5	96.7	96.9	97.2
6 F	1200			87.6	89.2	91.4	92.U	93.9	94.8	95.1	96.0	. 96.3	96.3	96.7	96.9	97.1	97.4
6 E	innai			87.7	89.5	91.5	92.2	94.2	95.1	95.4	96.3	96.6	96.7	97.1	97.3	97.5	97.8
C F	9001			87.7	89.3	91.5	92.3	94.2	95.2	95.5	96.4	96.7	96.8	97.2	97.4	97.6	97.9
G E	8001			87.8	89.4	91.6	92.3	94.3	95.3	95.6	96.5	96.9	96.9	97.5	97.6	97.9	98 • 2
Ģ €	7001			87.8	89.5	91.7	92.4	94.4	95.3	95.6	96.6	96.9	97.0	97.6	97.7	98.0	98.3
GE	6001			97.9	89.6	91.8	92.5	94.5	95.4	95.7	96.7	97.1	91.2	97.7	97.9	98.2	96.5
GE	500			88.6	8+.6	91.9	92.6	94.6	95.5	95.8	96.8	97.2	97.3	97.9	98.1	92.4	16.7
6 E	400			88.O	87.6	91.9	92.6	94.6	95.6	95.9	96.9	97.2	97.3	98.0	98.2	98.5	98.8
G E	300			RA.L	87.6	91.0	92.7	94.7	95.7	96.0	97.0	97.4	97.5	98.1	98.4	98.6	99.0
C L	2001			88.0	99.6	91.9	92.7	94.7	95.7	96.0	97.0	97.4	97.5	98.2	98.5	98.8	99.4
(, E	100			88 • C	89.6	91.9	92.7	94.7	95 • 7	96.0	97.U	97.4	97.5	98.2	98.5	98.9	99.8
l F				88.0	89.6	91.9	92.7	94.7	95.7	96.0	97.0	97.4	97.5	98.3	98.5		100.0

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIPILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020				PEPIOD OF RECO MONTH: MAY	HOURS(LST): 0700-0200
CFILING IN GE GE FEET 1 10 6	GE 38 5 4	GE GE 3 2 1/2	VISIBILITY IN STATUTE GE GE GE C Z 1 1/2 L 1/4	MILES SE GE GE I 374 578	GE GE GE GE 1/2 5/16 1/4 D
NO CEIL I					
GE 20000( GE 18000) GE 16000  GE 14000) GE 12000					
0.000   0.000					
GE 45001 GE 45001 GE 46001 GE 35001 GE 35001	74.3 74.7 74.9 75.4 80.1 80.6 82.4 83.0 63.6 84.2	75.3 75.8 75.9 76.5 61.3 81.8 83.7 84.2 65.1 85.7	76.6 76.8 76.8 77 81.9 82.2 82.2 82 84.4 84.6 84.6 85	5.7 76.9 76.9 7.4 77.6 77.6 2.7 82.9 82.9 5.4 65.7 85.7 7.0 87.2 87.2	77.1 77.2 77.5 77.6 77.8 77.9 78.1 76.2 83.2 43.3 83.5 83.6 85.9 86.0 86.2 86.3 87.4 87.5 87.7 87.9
GF 25001 GF 20001 GF 18001 GF 15004 GF 12001	84.5 85.2 86.3 97.2 86.4 97.3 87.5 88.4 68.1 88.9	86.1 86.7 88.3 88.8 88.4 88.9 89.6 90.2 90.2 90.7	88.9 89.3 87.3 90 89.1 89.4 87.4 90 90.3 90.6 90.6 90	8°.2 88.2 7.2 90.4 90.5 7.3 90.5 90.6 7.5 91.7 91.8 7.0 92.7 92.3	89.4 PB.5 64.7 46.8 90.7 90.8 91.0 91.1 90.8 90.9 91.1 91.2 92.0 92.1 92.3 92.5 92.6 92.7 92.9
0F 100ml 0F 900l 0F 800f 0F 700l 0F 6001	87.5 90.4 69.5 90.4 87.5 90.4 69.5 90.4	91.9 92.5 91.9 92.5 91.9 92.7 91.9 92.7 92.1 92.9	92.7 93.0 93.0 94 92.9 93.2 93.2 94 92.9 93.2 93.2 94	4.3 94.5 94.6 4.3 94.5 94.6 4.5 94.7 94.9 4.5 94.7 94.9	95.1 95.2 95.4 95.5 95.1 95.2 75.4 95.5 95.3 95.4 95.6 95.7 95.3 95.4 95.6 95.7 95.6 95.7 96.0 96.1
GF 5GN GF 400 GF 300 GF 300 GF 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	89.9 70.8 90.3 91.1 90.6 91.5 90.6 91.5 90.6 91.7	92.6 93.3 92.9 93.7 93.2 94.0 93.2 94.1 93.4 94.3	93.9 94.3 94.3 95 94.2 95.0 95.0 96 94.3 95.1 95.1 96	5.3 95.6 95.7 5.6 96.0 96.1 6.3 96.6 96.7 5.5 94.9 97.0 5.7 97.7 97.3	96.2 96.3 96.5 96.6 96.5 96.6 96.8 96.9 97.2 97.3 97.7 97.8 97.8 97.9 98.7 99.0 98.5 98.6 99.5 99.9
GE OJ	95.6 91.7	93.4 94.3	94.5 95.3 95.3 96	5.7 97.2 97.3	98.5 98.6 99.6 100.0

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

5 14	IION NU	MPER: 042020	STATIO	DH NAME:	THUL	F AB GL						OF REC		-86 (LST): (	3ub-05	C0	
C.F.I		••••••	• • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •	
1	IN I	GE GE 10 6	6 E 5	G E	GE 3	6E 2 1/2	GE	G F 1 1/2	ĞE	GE I	(i)E 3/4	G E 5 / 8	GE 172	GE 5/16	6E 174	ម ម	
• • •													-				
N O	CEIL																
	260001 180001																
	160001																
	140001																
6 E	150991																
	100001																
6 E	8000  9000																
G F	70001																
C F	60001																
υE	50001		75.6	76 .U	76.3	76.9	77.1	77.1	77.1	77.5	11.5	17.5	78.3	78.4	13.7	75.1	
GE	45001		16.1	76.5	76.9	77.4	77.6	77.6	77.6	78.1	70.1	79.1	78.9	79.0	79.3	74.3	
ĹΕ	40001		81.8	82.3	82.6	93.1	83.4	83.5	83.5	83.9	8 4 . 9	R3.9	84.7	84.H	85 • I	#5.1	
6 E 6 E	35 J.N. ( 31 J.O.) (		83.7 85.9	84 • 1 86 • 5	84.5	95.0 97.4	65.5 87.9	85.6 88.0	85.6 88.1	86.1 88.7	86.1	86.1 88.7	96.9 89.4	97.0 89.5	57.3 50.9	07.3 69.9	
0.0	3. 0.7		6 . ,	00.5	60.,	.,,,,,	9,47		6 n • 1	70 • I	4	5547	77.4		,,,,	C7.9	
C £	25001		B7.3	87.9	88.3	86.9	87.3	89.4	89.5	90.1	9".1	9.1 • 1	97.9	31.7	91.3	91.5	
6 E	2000 i 1600 l		8.88 8.83	89 .4 89 .4	67.9 84.9	90.4 90.4	90.9 90.9	91.0	91.2	91.7	91.7	91.7	35.5	92.6	93.0	03.U	
61	15001		89.8	90.4	91.0	91.7	92.2	91.U 92.3	91.2 92.5	91.7	91.7	91.7	92.5 93.9	92.6	93.0	94.3	
ij.ť	12001		971.4	91.1	91.6	92.4	97.8	93.0	93.2	93.7	91.7	23.7	94.5	94.6	74.9	94.9	
10	15061		90.9	91.6	92.2	93.3	23.9	93.9	94.2	95.0	94.5	95.6	95.8	95.9	+6.3	46.5	
G E	9001		91.L	91.7	92.3	93.4	93.9	94.1	94.3	95.	94.2	25.2	15.9	96.0	96.4	46.6	
6.5	100		91.3	65.1	92.6	93.7	94.5	04.6	94.8	95.8	95.4	95.A	96.1	30.3	97.1	97.4	
G E	700   600		91.5 91.9	92.5 92.6	92.6	93.9	94.7 95.0	94 • 8	95.0 95.4	46.C	91.0 91.4	96.4	96.9 97.2	97.U 97.4	47.4 47.7	67.6 97.9	
(* 1,	6.01		91.9	47.6	93.2	94.3	91.0	43.42	95.4	46.4	97.4	46.4	41.7	77.4	47.7	41.4	
G F	Soul		91.9	95.6	93.2	94.3	95.0	95.2	95.4	96.4	94 4	96.4	97.2	97.4	91.1	47.9	
(1)	4001	•	91.9	92.0	93.2	94.3	95.0	95.2	45.4	96.4	31. 4	96.4	97.7	97.4	97.7	97.9	
G E	300 l 200 l		92.0 92.6	92.7 92.7	93.4	74.6 94.7	95.4 95.5	95.5 95.6	95.7 95.8	96.7 96.8	96.7	96.1	97.6 98.1	97.9	94.8	98.5 99.3	
GI	1001		92.0	92.1	93.4	94.7	95.5	95.6	95.8	97.1	,7.1	97.1	98.7	99.3	43.6	100.0	
i, f	01		92.)	92.1	93.4	94.7	95.5	95.6	95.P	27.1	97.1	97.1	98.7	99.0	49.6	1"0.0	

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VIRSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMPER: 042020 STATION NAME: THULE AB GL PEPIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0600-0800

										MONTH			(LST):		00
EILING	• • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •			IN STATE			• • • • • • •	• • • • • •	• • • • • • •		• • • • • • • •
IN   FEET	6E 6	E GE	G F 9	GE 3	6E 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	ΓΕ 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	G E
• • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • •	• • • • • •	• • • • • •		• • • • • • •
O CEIL															
100005															
18000															
16000															
[ 14000] E 12000]															
12000,															
100001															
90:001															
8000   7000															
1 0010															
															_
5000] 4500]		73.1 73.1		73.8 74.1	74.3 74.6	74.4 74.8	74.5 74.9	74.5 74.9	75.3 75.6	75.3 75.6	75.3 75.6	76.0 76.3	76.U 76.3	76.0 76.3	76.U 76.3
40001		81.		81.9	82.4	87.5	82.6	82.6	R 3 • 4	83.4	83.4	84.5	84.0	84.0	84.6
. 350nj		83.		84.4	84.9	85.4	85.5	85.5	86 + 2	86.2	86.2	86.9	86.9	86.9	86.9
3000		86.	85.6	86.8	R7.3	87.9	89.0	88.0	88.7	89.7	88.7	89.4	89.4	89.4	84.4
2 001		87.2	87.7	88.0	88.5	89.1	89.2	87.7	89.9	89.9	89.9	90.6	90.6	90.6	90.6
2000		88.		89.9	90.6	91.4	91.5	91.5	92.2	92.2	92.2	92.9	92.9	92.9	92.9
18001		89.		90 • 2	90.8	91.6	91.7	91.7	92.5	97.5	92.5	93.1	93.1	93.1	93.1
1500		90.1		91.1	91.8	92.6	92.7	92.7	93.4	93.4	93.4	94.1	74 • 1	94.1	99.1
12001		91.	3 91.4	92.5	93.1	93.9	94.0	94.7	94.8	94.9	94.6	95.4	95.4	95.4	95.4
10001		91.	92.3	92.9	93.6	94.3	94.4	94.5	95.5	95.5	95.5	96.2	96.2	96.2	96.2
9001		91.		92.9	93.6	94.3	94.4	94.5	75.5	95.5	95.5	96.2	96.2	96.2	96.2
8001		90.0		93.2	93.9	94.6	94.5	94.9	96.0	96.0	96.6	96.6	96.6	36.6	96.6
7.00   500		92 • . 92 • .		93.7	94.3	95.2	95.3	95.4	96.5	96.5	96.6	97.3	97.3	97.3	97.3
5001		97.	93.3	94.0	74.6	95.5	95.6	95.7	96.8	96.8	96.9	97.6	97.6	47.6	97.6
Sun I		93.1	93.7	94.3	95.0	95.8	96.0	96.1	91.2	97.2	97.3	97.9	97.9	41.9	97.9
400 l		93.		94.4	95.2	96.1	96.2	46.3	97.4	97.4	91.5	99.1	98.1	98.1	96.1
1001		97		94.6	95.4	96.4	76.5	96.6	97.7	97.7	97.8	93.5	95.8	94.8	98.8
F 1001		)3. 93.		94.6	95.4 95.5	95.5 96.6	96 . H 46 . Y	96.9 97.0	98.1 99.3	99.1 98.4	98.3 98.5	99.0 39.2	99.3 99.6	99.8	99.3 100.0
1001		* ) • 4		77.7	, 3 . 3	*0 • 0	40.4	71.0	77.3	74	77.3	77.6	,,,,	77.6	10000
0.1		93.,	94.0	94.4	95.5	26.6	96.9	97.0	98. 5	90.4	98.5	99.2	99.6	99.A	100 an

### PERCENTAGE FREGUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR	HE ATH	ER SERVICE	/MAC														
STA	ITION N	UMBER: 0421	020	STATIO	N NAME:	THULE	AS GL					PEPIOD HTMON		RD: 77-		0900-11	co
CEI I FE	LING N   ET	GE GI	E 6	SE 5	6 E.	GE 3	GE 2 1/2	2 0E 01216	G E 1 1/2	IN STATU GE 1 1/4	JTE MILE GE 1	ES GE 374	G E 5 / 8	GE 1/2	65 5/16	GE 1/4	GE U
N O	CEIL																
6 E 6 E 6 F	20000  18000  16000  14060  12000																
6 f 6 f 6 f 6 f	16000  9000  8000  7000  6000																
6 F	Snoo!			17.U	77.1	17 • 2	77.2	77.4	77.5	77.6	78 . U	79.2	78.5	78.7	78.7	79.0	79.J
GE	45001			77.9	78 .J	78 - 1	78.1	78.3	78.4	78.5	78.8	77.1	79.2	79.6	79.6	79.8	79.8
r [	40001			B2 . 6	82.7	82.8	82.8	83.0	83.1	83.2	R3.5	83.9	R 3 . 9	84.3	94.3	84.5	P4.5
-6 F	35601			84.6	84.7	55 · D	85.0	85.3	85.4	65.5	A5.6	86.0	86.2	86.6	86.6	86.8 88.7	86.8
<b>ر ا</b>	30 ac (			86.3	86 •4	86.5	86 • 6	87.1	87.2	87.4	87.7	87.9	88.0	88.4	88.4	84.7	86.7
G F	25601			87.4	97.6	67.8	87.8	88.3	88.4	88.5	88.9	87.1	89.2	89.6	99.6	69.9	84.9
ĢΕ	20001			90.5	93.9	91.5	91.5	92.0	92.1	92.3	92.6	92.8	92.9	93.5	93.5	93.7	93.7
GE	18001			90.5	93.9	91.5	91.5	92.D	92.1	92.3	92.6	97.B	92.9	93.5	93.5	93.7	93.7
ĿΕ	15001			91.5	91.9	92.6	92.6	93.1	93.2	93.3	93.8	94.1	94.2	94.8	94.8	95 · D	95.0
ひモ	12001			91.5	71.9	92.6	92.6	93.1	93.2	93.3	93.8	94.1	94.2	94.9	74.8	95.0	95.0
G.f.	insol			91.7	92.1	42.7	92.9	93.6	94.0	94.1	94.7	95.0	95.1	95.6	95.6	95.9	95.9
6 F	3001			92.1	92.6	93.5	93.5	94.1	94.5	94.7	95.2	95.5	95.6	96.2	96.2	96.4	96.4
υf	6301			97.6	93.2	94.1	94.1	95.1	95.5	95.6	96.2	96.5	96.6	97.2	97.2	97.4	97.4
6!	7301			97.6	93.2	94.1	94.2	95.2	95.6	95.7	96.3	96.6	96.7	97.3	97.3	97.5	97.5
υŧ	6001			91.2	93.7	94.5	94.7	95.6	96.1	96.2	96.7	97.1	97.2	97.7	97.7	97.9	97.9
., 5	5401			93.3	6.67	94.7	94.8	95.7	96.2	16.3	96.8	91.2	27.3	97.8	97.8	98.0	96.0
(, r	#an I			73.5	93.9	95.1	95.2	96.2	96.6	96,7	97.3	97.6	91.1	99.3	98.3	98.5	96.5
4	3001			93.5	93.9	95.3	95.7	96.7	91.2	97.4	97.9	98.5	98.4	98.9	99.3	99.6	99.6
() ŧ	2401			93.5	93.9	95.5	95.7	96.7	91.2	97.4	າ8.∪	9 R . 4	98.5	99.0	99.5	99.7	99.7
·νF	1001			93.5	93.9	95.1	55.7	96 • 7	97.5	91.7	98.4	9 . 7	99.8	99.3	79.8	100.0	100.0
(, l	٦١.			93.6	93.9	95. 1	25.7	96.7	97.5	97.7	0 A . 4	91.7	98.8	99.3		100.0	100.0

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

		JMEER: O	42020	STATIO	_							MONTH		HOURS		1200-14	00
	ILING	• • • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • • •	VISIA		IN STATE			• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
FE	IN I	10	6	5	G F 4		GE 2 1/2	GΕ	G E 1 1/2	GE	<u>ሬ</u> ፎ 1	GŁ ₹/4	GE 578	GL 1/2	GE 5/16	GE 1/4	GE O
N C	CEIL I																
6 E 6 E	200001 189001 169001 140001 120001																
	100001 90001 80001 70001 60001																
6 F 6 F 6 F 6 F	5000   4500   4000   3500   3000			76.4 77.8 82.2 84.4 85.8	76 •4 77 •8 82 •2 84 •4 85 •8	76.9 78.3 82.8 85.0 86.4	77.0 78.4 83.0 95.2 86.6	77.5 78.9 83.4 85.6 87.5	77.5 78.9 83.6 85.7 87.6	77.6 79.0 83.7 85.8 87.7	77.7 79.1 83.6 85.9	77.8 79.2 83.9 86.1 87.9	77.8 79.2 83.9 86.1 87.9	78.0 79.4 84.1 86.3 88.1	78.4 79.4 84.1 86.3 88.1	78.1 79.5 64.2 86.4 88.2	76.1 79.5 84.2 56.4 86.2
6E 6E 6E 6E	2500   2000   1800   1500   1200			86.7 89.9 90.4 91.5 91.6	86 • 7 90 • 0 90 • 5 91 • 6 91 • 7	87.3 90.9 91.4 92.5 92.6	87.5 91.1 91.6 92.7 92.8	88.3 92.0 92.6 93.9 94.0	88.5 92.4 92.9 94.2 94.3	88.6 92.5 93.0 94.4 94.6	88.7 92.6 93.1 94.6 94.7	89.8 92.7 93.2 94.7 94.8	88.8 92.7 93.2 94.7 94.8	89.0 92.9 93.5 94.9 95.0	89.J 92.9 93.5 94.9 95.0	89.1 93.0 93.6 95.0 95.1	89.1 93.0 93.6 95.0 95.1
6 E 6 E 6 E 6 E 6 E	1000   900   500   700   600			92.2 92.5 93.0 93.2 93.2	92.3 92.6 93.1 93.4 93.5	93.2 93.6 94.1 94.4	93.5 93.8 94.4 94.8 94.9	95.4 95.4 96.1 96.4 96.5	95.4 95.8 96.5 96.8 96.9	95.6 96.0 96.7 97.1 97.2	95.9 96.2 96.9 97.3 97.5	96.0 96.3 97.1 97.4 97.6	96.6 96.3 97.1 97.4 97.6	96.2 96.5 97.3 97.6 97.8	96.2 96.5 97.3 97.6 97.8	76.3 96.6 97.4 97.7 97.9	96.3 96.6 97.4 97.7 97.9
6 F 6 F 6 F 6 F	500   400   306   200   100			93.2 93.4 93.4 93.4	93.5 93.6 93.6 93.6	94.6 94.8 95.1 95.4 95.4	94.9 95.1 95.4 96.0 96.0	96.5 96.7 97.1 97.6 97.6	96.9 97.2 97.5 98.1 98.1	97.2 97.4 97.7 98.4 98.4	97.5 97.7 98.1 98.8 98.8	97.6 97.8 98.3 99.1 99.1	97.6 97.8 98.3 99.0 99.0	97.8 98.0 98.5 99.5	97.8 98.J 98.5 99.6 99.6	97.9 98.1 98.9 100.0 100.0	97.9 98.1 96.9 100.0 100.0
G E	01			93.4	93.6	95.4	96.℃	97.6	98.1	98.4	99.8	éo*B	99.1	99.5	99.6	130.0	100.0

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

5 12	1110%	NUMBER:	042020	STATION								HONTH	OF REC	HOURS	(LST):		ប្រ
CE	LING	• • • • • • •	• • • • • • •	••••	• • • • • • •		•••••			IN STAT			•••••	• • • • • • •	• • • • • •	• • • • • • •	•••••
	[14 .E.T	GE   10	6E	GE S	G E 4	GE 3	GE 2 1/2	G E 2	G F 1 1/2	GE 1 1/4	GF 1	GE 3/4	G ( 5 ∕8	GE 1/2	GE 5/16	GE 1/4	6 <b>£</b> G
• • •	• • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •		• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • • • • •
N O	CLIL	1															
ĿΕ	20000	) I															
	18000																
	14000	•															
	12000																
	10000																
GE	9000																
G F G E	8000 7000																
G E	6000	•															
6 E	5000	•		75 - 1	75.5	76.4	76.5	76.6	76.6	16.9	17.2	77.4	77.4	77.5	77.5	77.6	77.6
65	4500	•		75.5	75.9	76.8	76.9	77.0	77.0	77.4	77.7	17.8	77.8	77.9	77.9	73.0	78.J
G E G E	4000 3500	-		79.4 81.2	79.9 81.6	80.7 82.6	90.9 82.7	81.0 82.8	81.1	81.4 83.5	81.8 83.9	81.7 84.0	81.9 84.0	82.1 84.1	82.1 84.1	82.2 64.7	42.2 54.2
GE	3000			84.4	84 - 8	85.9	96.0	86.1	86.4	86.8	87.2	87.3	87.3	87.4	87.4	37.5	F7.5
65	2* or	11		85.7	36.3	87.4	87.5	87.6	88.0	<b>68.3</b>	98.7	88.9	P8.8	88.9	R8.9	1.98	85.1
G E	0ن02			87.9	88.7	89.9	90.0	90.5	91.1	¥1.5	91.9	92.0	92.0	92.1	92.1	92.2	9 . • 2
6.5	1800			1.85	88.9	90.2	90.3	90.7	91.4	91.7	92.1	97.7	92.2	9 . 3	92.3	92.5	92.5
G E	15 ar			89.5 89.6	90 •2 90 •7	91.4	91.5 92.0	92.2 92.8	92.9 93.4	93.2 93.8	93.7 94.2	93.8 94.3	93.8 94.3	93.9 94.4	93.9	94.5	94.6 94.5
O t	1201	, <b>,</b>		97.6	70.7	71.7	72 6 0	72.0	73.4	7311	77.2	74.3	74.3	77.7		74.3	77.3
6 1	1600	7 <b>I</b>		90.6	91.5	92.9	93.1	94.2	94.9	95.4	95.8	96.0	96.0	96.3	96.3	96.4	96.4
C f	900			90.6	01.6	92.9	93.1	94.2	94.9	95.4	95.8	96.7	96.0	96.3	96.3	76.4	96.4
6.5	800			91.6	92.0	93.3	93.5	94.6	95.3	95.8	76.4	96.5	96.5	96.9	96.8	96.9	96.9
G E	700 600			91.1	92.1	93.4 94.0	93.7	94.7 95.4	95 .4 96 .1	96.0 96.6	96.5 97.4	96.6 97.5	96.6 97.5	96.9 97.8	96.9 97.8	97.0 97.9	91.0 97.9
.,,	001	· •		/	, , , ,	74.0	94.2	70.4	70 + 1	70.0	77.4	71.7	77.03	71.6	71.0	71.9	71.7
G E	500	11		91.7	92.1	94.0	94.2	95.4	96.1	96.6	97.4	97.5	97.5	97.8	97.8	97.9	97.9
G F	400	11		91.5	92.9	94.2	74.4	95.6	96 . 3	96.8	97.6	97.7	97.7	98.1	98.1	98.7	98.2
G.E	301			97 - 1	93.1	94.4	94.6	95.8	76.5	97.0	97.8	97.7	97.9	78.4	98.4	90.0	99.0
61	200			97 - 1	93.1	94.4	95.0	96.2	96.9	97.5	98.2	94.5	99.5	98.9	98.9	9.6	99.7
6 F	100	3.1		92.3	93.3	94.5	75.2	96.5	97.3	97.8	98.6	94.3	98.8	99.2	99.2	99.9	100.0

6F 01 92.3 93.3 94.6 95.2 96.5 97.3 97.8 98.6 48.8 98.8 99.2 99.2 49.9 100.0

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF FECURD: 77-86 MONTH: MAY HOURS(LST): 1830-2000 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE 6 5 4 3 2 1/2 IN | GE FEET | 10 GE GE GE GE GE GE GE GE 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 GE 1/4 NO CETE 1 61 200001 61 180001 GE 16000 GE 14000 GE 100001 G E 900001 80001 G F GF 7000 U.F. 60001 74.1 74.5 78.0 79.6 75.9 76.3 79.8 61.6 76.3 76.7 80.2 82.1 6 E 6 E 52001 74.8 75.2 78.7 80.5 76.2 76.6 76.3 76.7 80.2 82.1 76.4 76.8 76.8 77.3 76.3 77.3 80.8 62.7 76.8 77.3 76.9 71.4 77.1 77.5 76.9 77.4 77.1 77.5 80.1 82.0 80.4 62.2 80 · 8 80.8 82.7 80.9 82.8 51.9 L, F 40001 80.9 81.0 82.9  $\rho_{-2}$  .  $\sim$ t. f 30 UO I G E 2500 | 2000 | 85.5 87.3 86.5 88.5 87.7 90.0 88.1 90.5 88.4 90.7 88.4 90.7 89.3 91.4 89.1 91.5 90.9 91.3 91.3 91.3 91.4 91.5 91.1 97.3 19001 87.7 88.9 90.5 90.9 91.1 91.3 91.8 91.8 3.10 91.9 91.9 92.0 92.4 74. L F 15501 97.4 90.7 92.5 92.9 93.3 93.5 94.0 94.0 94.0 94.1 94.1 94.3 95.0 91.0 45.6 inant 93.6 95.1 95.1 95.1 95.2 95.5 95.5 95.7 G E 90.6 91.9 24.2 94.8 94.8 gr.c 35.5 95.A 25.8 46.0 90...1 9001 8011 90.6 71.9 91.9 93.6 94.2 94.8 94 . R 95.5 95.7 6.5 95.5 95.8 96.0 96.4 Ü, 96.J 96.2 96.0 96.5 96.5 7001 91.0 92.0 95.8 95.8 96.2 76.6 6001 GI 94.1 95.3 95.3 96.2 46.0 96.4 sant 96.6 97.5 97.7 22 . 4 23 . 1 94.3 94.8 95.5 56.6 91.5 97.7 45.5 47.5 97.7 91.1 25.7 95.9 96.9 £7.4 97.4 4601 91.1 98.7 98.9 99.3 96.6 95.2 96.4 96.8 97.0 97.8 77.8 350 I 250 I 92.6 92.6 95.4 96.8 97.0 94.1 6, 5 93.3 95.9 96.6 96.2 98.4 6 F 93.3 96.8 97.5 98.1 25.7 99.6 26.0 28.4 98.1 1001 21 96.0 90.1 97.5 98... 94.1 98.9 49.A 106.6 99.7

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020	_							HONTH	: MAY		(LŠT): .		
CEIL146 IN   GE GE FEET   10 6	GE 6	SE GE 3	GE 2 1/2	OE SE SESIB	GE 1 1/2	IN STATE GE 1 1/4	JTE MILI GE 1	ES GE 3/4	G E 5 / 6	GE 1/2	GE 5/16	5E 174	0 E 0
NO CETE 1													
GC 200001 GE 180001 GF 160001 GE 146001 GF 120001													
6F 160001 6F 90001 6F 70011 6F 66001													
66 50001		75.9	76 • 1	16.2	76.5	76.5	76.7	76.9	76.5	77.4	77.4	17.4	11.4
61 45001		76.6	76.8	76.9	77.1	77.1	77.4	77.5	77.5	7A - 3	76.3	18.0	12.
6 41001		9.9 80.5	BC • 7	80.8	A1.U	81.0	P1 - 2	41.4	81.4	A1.7	91.4	nl.º	*1. v
51 3000) 51 3000)		6.1 67.7 6.6 85.1	82.9 85.3	83.D 85.5	83.2 65.7	63.2 85.7	83.5 85.9	63.4 86.0	8 7 . U	34.1	86.6	≃4•1 94.•€	## + 1 * + + + +
61 25601	84.6 86	66.P	87.0	87.1	87.3	07.3	87.6	87.1	H1.7	58.2	F	- A	
or inunt		90.5	90.7	90.B	91 •C	91.2	91.5	91.6	91.6	92.1	9.001	1	4 1
GF 1FUCT	8₽.6 9J	1.3 91.0	91.2	91.3	91.6	91.8	92.0	92.1	92.1	97.7	92.1	13.7	*. *!
55 150F1	69.7 91	.7 92.5	92.7	92.R	93.4	93.2	93.5	93.6	0.5.6	94.1	24.1	.4.1	1
OF 12001	80.4 91	42.A	91.0	93.1	93.5	93.6	93.E	9 8 9	91.9	94.5	94.5	- 4 - 5	- 4 .
UT 11 30 L		.2 93.1	73.3	97.8	94.0	94.2	94.6	94.7	24.7	95.42	25.0	٠٠.	• • •
61 953		93.1	93.3	9 7 . B	44 .U	94.7	04.6	44.7	94.7	95.2	~ 5.	• • •	
6; kna		45. 45. 1	93.6	94.0	94.3	94.6	94.4	***	4.5	41 15	• 6		
of 7a01		45.7	97,9	94.3	94.7	94.9	95	46.7	G C . T	95.4	5.4.		· · ·
64.4	40.0 92	9 ч т. н	94.0	94.5	95 (1)	91.5	35.6	., . ,	95.1	46.0	76 • J	**	•• • •
St. Surf		94.1	94.3	94.5	95.4	95.7	91(	91.1	26.1	44.1	· t • 1	·· . '	
6 ° 4 ∪ 1		94.5	74.7	34 1	95.8	96."	96.3	91.4	41.4	97.0	97.1	• `• .	•
6.5 Late 1			94.1	<b>₹</b> € • 4	26 +1	16.3	75.7	40.4	200	77.	27.7		
of a"∮		45.0	95.4	90.0	26.6	44.4	27.1	· 1 . `	27.0	***		· · · i	
(a) (a) (b)	9.7 94	95.0	11.4	Ac. 3	16.0	71 . P	97.1	41	77.	* N • *	? H . H	*7.*	1

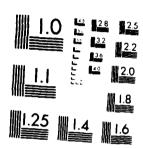
00 04 02. 00.0 05.7 00.0 05.0 06.6 00.0 07.1 07.0 07.1 07.1 08.0 0.0 0.0 0.0 0.0 07.1

TOTAL SUBDLES OF COSTREATIONS OF S

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILIDAY VEHALL VISIBILITY

	NUMBER:											- A Y	HOURS	G STEE		
FILING IN	l GE	GF	er	<u>ن</u> ن	٠٤	b.t	V1516 56	11.1.14 T	N STAT.	37F #116	•	41	6.6	G.F	. · <b>t</b>	61
						2 1/2									1/4	
C CETE														.,,		
CLIC	•															
# 20000 # 18000 # 16000 # 14000 # 17460	i I I															
F 10000 F 9600 acon F 7000	 															
	İ F			•				-					· ·	* *		
			• .											•	•	
																•
																•

3/4 AD-A187 857 UNCLASSIFIED



MICROCOPY RESOLUTION TEST CHART NATIONAL RIGHT ALL IT CANDARDS DATE &

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

EILING									• • • • • • •							
CILING							VISI	BILITY	IN STATE	JTE MILI	ES					
	1 68	GE	GΕ	GF	GE		GE	G F.	GE	GE	GŁ	GE	GE	GΕ	Œ	GE
		6	5	4	3			1 1/2	1 1/4	1		5/8	1/2	5/16	1/4	0
															,	
O CFIL	1															
20000																
F 18000																
E 16000	•															
E 140u0																
E 12000	1															
€ 10000																
E 9000	•															
E 8000																
E 7000																
. 00.00	'															
E 5000			62.9	63.8	64.3	64.4	64.7	65.0	65.1	65.4	65.5	65.5	66.2	66.3	66.7	66.8
E 4500			63.5	64.4	64.9	65.D	65.3	65.5	65.6	66 • D	66.1	66.1	66.8	66.9	67.2	67.3
E 4000			68.8	69.7	70.2	70.3	70.8	71.2	71.3	71.6	71.8	71.8	72.4	72.5	72.9	73.0
E 3500			71.5	72.4	72.9	73.0	73.6	73.9	74.0	74.4	74.5	74.5	75.1	75.3	75.6	75.7
F 3000	1		73.4	74 .5	75 . đ	75.3	75.8	76.2	76.3	76.7	76.8	76.8	17.5	77.6	78.1	78.2
E 2500			74.8	75.9	76.6	76.9	77.5	78.1	78.2	78.6	78.8	78.8	79.4	79.5	80.D	e i • 1
F 2000	l		75.9	77.3	78.0	78.3	78.9	79.5	79.7	80.1	87.Z	80.2	80.9	81.0	81.5	R1.6
E 1800			76 • C	77.4	78.1	78.4	79.0	79.7	79.8	80.2	80.3	80.3	81.0	91-1	81.6	81.7
£ 1500			76.6	78.0	78.6	79.0	79.8	80.5	80.6	81.0	81.1	81.1	81.8	81.9	82.4	82.5
£ 1200	1		76.E	78.4	79.1	79.4	80.3	81.0	81.1	81.6	81.7	81.7	82.4	A2.5	82.9	83.1
£ 1000	i		77.5	79.1	79.9	80.1	81.6	82.3	82.4	82.8	82.9	82.9	83.6	83.7	84.2	84.3
f. 900	i		78.2	79.8	80.5	80.8	82.3	82.9	83.1	A3.5	83.6	83.6	84.3	84.4	84.9	85.0
E 800			78.6	8G •2	80.9	81.2	82.7	83.4	83.5	84.1	84.2	84.2	84.9	85.0	85.4	85.5
E 700	ĺ		79.4	91.0	81.7	82.0	83.5	84.2	84.3	R4.9	8.0	85.0	85.6	85.8	86.2	A6.3
F 600	ŀ		79.4	81.J	81.7	82.6	84 - 1	85.0	85.1	R5.9	86.0	86.0	86.7	86.9	87.3	87.5
F 500	ļ		80.1	81.7	82.6	83.5	85.2	86.1	86.2	97.0	87.1	87.1	88.4	88.6	89.0	89.2
E 400			80.3	82.0	82.9	84.5	86.4	87.6	87.8	AB . 7	89.2	89.2	90.5	90.7	91.5	91.6
E 300	į.		80.6	82.3	83.6	85.2	87.1	88 . 2	88.8	90.3	90.7	90.7	92.2	92.4	93.9	94.1
E 200	I		80.9	82.6	84.0	85.5	87.5	88.6	89.6	91.4	91.9	91.9	93.6	93.8	97.2	97.6
r 100	t		80.9	95.6	84.0	85.6	87.6	88.8	89.8	71.3	92.2	92.2	94.6	94.9	99.2	99.7
f O			80.9	82.6	84.7	85.8	87.7	88.9	89.9	91.9	92.3	92.3	94.7	95.1	00.5	100.0

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIRILITY FROM HOURLY OBSERVATIONS

TATION N	JMBER:	042020	STATIO	N NAME:	THUL	E AB GL					PEPIOD Month	OF RECO : JUN		-86 (LST):	0 300 - 05	00
EIL ING	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •
IN   FEET	10	GE 6	GE 5	G E 4		GE 2 1/2	GE	G E 1 1/2	GE	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	G E
O CEIL I																
E 200001																
18000																
E 160001																
E 14000																
. 120001																
E 10000 J																
E 90001																
E 8000																
E 60001																
,																
E 5000			60.9	61.9	62.0	62.3	62.4	62.8	62.8	63.3	62.5	63.5	63.9	64.1	64.2	64.2
E 4500  E 4000			61.4	62.4	62.5	62.9	63.0	63.3	63.3	63.9	64.1	64.1	64.4	64.7	64.8	64.8
E 40001 C 35001			67.7 73.1	68 •8 71 •3	68.9 71.4	69.4 71.9	69.5 72.0	69.8 72.4	69.8 72.4	70.4 72.9	70.6 73.2	70.6 73.2	70.9 73.5	71.1 73.7	71.3	71.3
£ 30001			71.5	12.7	73.3	73.8	74.0	74.4	74.4	74.9	75.2	75.2	75.5	75.7	75.8	75.8
F 2500			72.9	74 .2	75 • 1	75.6	75.8	76.2	76.2	76.7	77.0	77.0	77.3	77.5	77.6	77.6
10001 3			73.5 73.6	74.8 74.9	75.7 75.8	76.3	76.5	77.2	77.2	77.7	78.0 79.1	78.0	78.3	78.5	78.6	76.6
E 1500			74.5	75.8	76.7	76.4 77.3	76.6 77.7	77.3 78.4	77.3 78.4	77.9 79.0	79.2	78 • 1 79 • 2	78.4 79.5	78.6 79.8	78.7 79.9	78.7 79.9
E 12001			74.6	76.0	76.8	77.4	77.9	78.5	78.5	79.1	70.3	79.3	79.6	79.9	30.0	80.0
			-													
E incel			75.5	76 .8	77.7	78.3	79.1	79.8	79.8	80.3	80.5	80.5	81.0	81.2	81.3	81.3
F 9001			76.1 77.3	77.4 78.6	78.3 79.5	78.9	79.6	80.3	8U.3	40.9	81.1	81.1 82.4	81.5	P1.8	81.9	81.9
E 7001			78.1	79.4	80.3	80.1 81.0	80.9 81.8	81.7 82.7	81.7 82.7	82.2 83.4	87.4 87.7	83.7	83.1	93.3 84.6	83.4 84.7	83.4 84.7
E 6001			78.9	90.2	81.1	82.0	82.8	83.9	83.9	84.8	8	85.2	85.9	86.1	85.2	86.2
E 5001			77.3	80.6	81.8	82.8	83.8	84.9	84.9	85.8	86 • 5	86 • 5	87.6	A7.8	87.9	87.9
E 4001			80.2 80.9	81.8 82.4	83.0 84.2	84.D 85.2	85.1 86.7	86.2 87.8	86.2 87.8	87.4 89.6	88.0 90.6	88.6 90.6	89.5 92.8	89.7 93.1	90.0 93.7	90.0
E 2001			80.9	82.6	84.3	85.3	87.0	88.1	88.6	90.6	96	91.6	94.9	95.1	97.7	97.9
E luni			80.9	82.7	84.5	85.5	87.2	88.4	88.8	70.9	91.9	91.9	95.7	96.2	99.4	99.7
£ 0			80.9	82.7	84.5	85.5	87.2	88.4	88.8	70.9	91.9	91.9	96.0	96.4	99.8	100.0

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMPER: 042020	STATION NAME:	THULE AB GL	PEPIOD OF RECORD: 77-86
			-coad : ITZ JUN HOURS ILSTI: COAD

			: 042020									HONTH		HOURS	ILSTI:	0600-08	ប <b>០</b>
	LING	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • • •
FE	E T	I GE I 10	GE 6	GE 5	G E 4		GE 2 1/2		G E 1 1/2		GE 1	GE 374	GE 5/8	GE 1/2	GE 5/16	GE 1/4	6E 0
	CEIL																
6 E 6 E	20000 18000 16000 14000 12000	i ! !															
G E G E G E G E	10000 9000 8000 7000 6000	i   															
G E G E	5000 4500			58.9 59.7	60 .4 61 .2	61.1	61.4	61.9	62 • 2 63 • 0	62.4	62.5 63.3	62.9	62.9 63.7	63.4	63.8	64.0 64.8	64.0 64.8
GΕ	4000	i		65.6	67.0	67.7	68.1	68.5	68.8	69.1	69.3	67.6	69.6	70 • 2	70.6	70.9	74.9
6 E	3500 3000			67.6 70.6	69 •2 71 •5	70 • 0 72 • 6	70.3 73.0	70.8 73.6	71 • 1 73 • 9	71.3 74.1	71.5 74.4	71.9 74.7	71.9 74.7	72•4 75•3	72.9 75.7	73.1 75.9	73.1 75.9
G-E	2500	ı		71.7	73.2	74.5	74.9	75.6	75.9	76.2	76.4	76.7	76.7	77.3	77.7	78.0	78.0
G E	2000			72.1	73.7	75.0	75.6	76.6	77.1	77.3	77.5	77.8	77.8	78.5	79.0	79.2	19.2
UΕ	1800			72.1	73.7	75.U	75.6	76.6	77.1	77.3	77.5	77.8	77.8	78.5	79.0	79.2	79.2
6 E	1500 1200			73.8 74.7	75.4 76.3	76.7 77.6	77.3 76.2	78.3 79.2	78.7 79.6	79.0 79.9	79.2 80.1	79.5 80.4	79.5 80.4	80.2 81.1	90.7 81.6	80.9 81.8	80.9 81.8
GE	1000	i		75.3	76.9	78.3	78.9	80.1	80.8	81.0	81.2	81.7	81.7	82.3	82.8	83.1	83.1
GE	900			15.4	77.1	78.4	79.0	80.2	80.9	81.1	81.3	81.9	81.8	82.5	P2.9	83.2	A3.2
G E	800			75.8	77.5	78.9	79.4	80.9	81.7	81.9	82.2	87.7	82.7	83.4	93.8	84 - 1	84.1
6 E	700 600			76.8 76.8	78.6 78.9	80.0 80.2	80.5 80.8	82.1 82.6	92.9 83.4	83.1 83.6	83.5 83.9	83.9 84.4	83.9 84.4	84 • 6 85 • 2	85.U 85.6	85.4 85.9	85.4 85.4
6.5	500			77.7	79 .8	81.2	81.8	84.1	84.9	85.2	A5.7	86.2	86 • 2	87.5	88. <sub>0</sub>	88.5	88.5
G F	400			78.2	80.2	81.8	82.7	85.2	95.9	86.2	86.7	87.4	87.4	89.4	90 • 1	90.8	90.9
GE GE	300 200			79.4 79.1	90.4	82.5	83.5	86.1	87.0	87.3	88.3	87.1	A9.1	91.8	92.5	93.6	93.7
6 E	100			79.1	81 .1 81 .2	83•1 83•2	84.3 84.4	87.0 87.1	88.0 88.3	88.4 88.8	89.5 89.9	90.6 90.9	90.6 90.9	94.5 95.4	95.2 96.1	98.2 99.3	98.4 99.9
GΕ	0			79.2	81 .2	83.2	84.4	87.1	88.3	88.8	A9.9	90.9	90.9	95.4	96.1	99.3	100.0
• • •	••••	• • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	••••

### PERCENTAGE FREQUENCY OF OCCURRENLE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

					N NAME:							MONTH		HOURS	ILSTI:	0900-11	00
CILI		• • • • • •	• • • • • • •	• • • • • • •	••••••	• • • • • •	• • • • • • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •
IN	ı	GE	GE	GE	GE	GE	GE	GE	GE	GŁ	GE	GE	GF	GE	GE	GE	٥E
FEET		10	6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	0
		• • • • •			• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •						• • • • • • •		•••••	
0 CE	IL I																
E 20	10001																
	1000																
	1000																
	1000																
L 12	0007																
	0001																
	1000																
	10001																
	COOL																
	oon I			63.8	64.2	64.9	65.1	65.3	65.6	66.0	66.1	66.3	66.3	66.4	66.7	66.8	66.8
	500			65.5 69.4	65.9	66.6	66.B	67.0	67.5	67.7	67.8	68.0	69.0	68.1	68.4	08.5	68.5
	5001			71.3	69 .6 71 .6	70.5 72.4	70.7 72.7	71.0 72.9	71 •4 73 •4	71.7 73.6	71.8	72.0 73.9	72.0 73.9	72 • 1 74 • 0	72.3 74.3	72.4 74.4	72.4 74.4
	1000			74.4	75 •1	75.7	76.1	76.4	77.0	17.2	77.4	77.7	77.7	77.8	78.0	78.1	76.1
	500			76.6	77 • 3	78.2	78.6	79.1	79.7	79.9	80.2	80.4	80.4	80.6	80.8	81.0	81.0
	1008.			77.7 78.L	78.3 78.7	79.4 79.7	79.7 80.0	80.8	81.4 81.7	81.6	81.9	87.1	92.1 82.4	82.3 82.7	82.5 82.9	82.7 83.0	A2.7
	5001			79.7	80.5	81.5	81.9	81.2 83.0	83.6	62.0 83.8	82.2 84.2	87.4 84.5	P4 . 5	84.7	94.9	85.0	83.U 85.U
	2001			79.7	80.5	81.5	81.9	83.0	83.6	83.8	A4.2	84.5	84.5	84.7	84.9	85.0	P5.0
	0001			811.0	81.0	82.0	82.3	83.6	84.1	84.4	84.9	65.3	85.3	85.5	85.7	65.A	85.8
	900   008			80.2 80.8	81 •1 81 •7	82.1 82.8	82.4 83.1	83.7 84.4	84.2 84.9	84.5 85.1	85.0 85.7	85.4 86.1	85.4 86.1	85.6 86.3	85.8 86.5	85.9 86.6	85.9 86.6
	7001			81.3	82.2	83.2	83.6	84.8	85.4	85.6	86.2	86.5	86.5	66.7	87.0	67.1	87.1
	600 I			81.9	82.8	83.4	84.1	85.7	86.3	86.5	87.1	87.4	87.4	87.6	87.9	3 P . D	88.0
							_										
	5001			83.0	93.9	85 · C	85.5	87.3	87.9	8 R . 1	89.2	89.7	89.7	89.9	90.1	90.2	90.2
E.	400) 300			84 . C	85 -4	87.0	87.4	89.2	90.0	90.2	91.4	97.1	92.7	92.6	72.9	93.0	93.0
E.	200			84.5 84.9	85.9 86.4	87.8	88•2 88•8	90.5 91.2	91.3 92.0	91.5 92.2	93.D 94.2	94.() 95.5	94.4 95.9	95.1 97.4	95.7 98.4	95.9 99.2	95.9
Ē	1001			84.9	86 .4	88.2	88.8	91.2	92.0	92.2	94.6	95.9	96.4	98.1	99.1	100.0	100.0
														•	•	,	,
E	0.1			84.5	86 .4	88.2	98.8	91.2	92.0	42.2	94.6	91.9	96.4	98.1	99.1	130.0	100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF RECORD: 77-8 MONTH: JUN HOURS(EST): 1200-1400 VISIBILITY IN STATUTE MILES CFILING FILING IN | GE FLET | 10 VISIBILITY IN STATUTE MILES

GE GE GE GE GE GE
6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 1/2 5/16 5/8 1/4 n NO CETE ! GT 200001 GF 180001 UE 160001 GE 140001 6E 100001 GΕ 90001 66 90001 66 80001 65 7000 GE 60001 69.9 71.6 76.0 Scoot I 66.6 68.3 72.1 67.0 68.7 12.8 67.2 68.9 73.3 67.3 69.0 73.4 67.5 69.2 73.7 69.1 70.8 68.6 70.3 .69.9 70.4 70.6 70.6 70.6 45001 71.3 75.7 78.5 71.6 72.1 72.3 72.3 72.3 74.7 77.5 75.3 76.0 79.9 76.5 76.7 GE 76.7 76.7 35 00 1 76.3 79.3 79.6 79.6 GF 30001 76.8 77.8 78.3 78.4 78.7 79.9 80.5 80.9 81.3 81.3 81.7 82.0 82.D 82.0 G E 79.3 81.2 80 •2 82 •1 80.8 82.7 80.9 82.9 81.3 83.4 82.5 84.7 84.6 86.7 84.6 86.7 25001 83.1 R3.5 83.9 83.9 84.3 94.6 20001 86.0 86.0 86.5 85.7 85.8 85.2 86 . 7 84 .8 85 .7 G.F 15001 81.3 82.2 82.9 83.7 83.0 83.5 85.4 86.2 86.2 87.1 86.5 86.8 86.8 86.8 86.7 6 E 15001 82.1 83.0 83.8 84.4 86.3 87.7 87.7 86.0 85.6 86.2 86.6 88.4 88.9 89.1 89.1 10001 82.7 83.7 86.8 87.4 88.1 84.3 88.0 88.5 89.3 G E 9001 83.3 84 . 2 84 . 7 84.9 85.2 95.7 88.6 89.2 89.0 89.0 89.6 89.4 90.0 89.7 89.7 89.7 800 83.8 85.4 88.0 89.6 90.2 90.2 90.2 GŁ 7001 84 . 6 85.5 86.2 96.5 87.4 88.8 90.0 90.4 90.4 90.8 91.0 91.0 91.0 88.3 90.2 6001 90.9 91.3 91.3 91.8 92.1 92.1 85.4 86 . 3 86.9 87.3 93.0 91.3 92.6 u E G F 5001 85.7 86 .6 87 .6 89 .2 87.3 88.5 90.1 87.6 88.9 90.5 88.6 89.9 91.5 90.7 91.7 92.3 92.5 92.5 92.5 91.4 86.6 91.9 93.6 92.7 93.1 93.3 94.0 94.2 4001 94.2 G F 96.7 96.7 3001 96.6 89.3 90.8 93.3 99.0 98.5 90.4 G F 1001 88.6 99.7 90.7 91.1 92.2 93.9 94.8 95.9 96.9 97.3 8.89 00.4 100.0 100.0 01 90.7 91.1 92.2 93.9 95.9 97.3 98.8 99.4 100.0 100.0

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIPILITY FROM HOURLY OBSERVATIONS

TATION NI											MONTH		HOURS	(LST):	1500-17	
EILING	• • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •			IN STATU			• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •
IN   FEET		GE 6	GE S	5 E.	GE 3	2 1/2 2 1/2	GE	3 E 1 1 /2	GE	GE 1	GE 3/4	G E 5 / 8	GE 1/2	GE 5/16	GE 1/4	٥ ع
• • • • • • • •		• • • • •	• • • • • • •	• • • • • • •		• • • • • •		• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •		• • • • •
1 1135 0																
200001																
180001																
f 16000																
E 14000																
£ 12000																
100001																
10006																
E 80001																
10001 10000																
C 00001																
E 50001			67.9	68.1	68.6	68.8	69.3	69.9	70.4	70.8	71.3	71.3	72.0	72.4	72.5	72.5
E 4500)			68.5	68.7	69.2	69.4	69.8	70.5	71.0	71.4	71.9	71.9	72.5	73.0	73.1	73.1
E 40001			72.2	72.4	72.9	73.4	73.9	74.6	15.0	75.5	75.9	75.9	76.6	77.1	77.2	77.2
£ 3500			75.0	75.3	75.7	76.3	16.7	77.4	77.9	78.3	79.8	79.8	79.4	79.9	80.0	80.0
£ 3000			76.6	76.9	77.4	78.0	78.5	79.3	79.B	80.2	80.7	80.7	81.4	81.3	81.9	R1.9
F 25601			78.5	78.9	79.5	80.2	80.9	81.7	82.1	82.6	83.1	A 3 . 1	83.7	84.2	84.3	84.3
F 20001			79.7	80.0	80.7	81.4	82.0	82.8	63.3	83.7	84.2	84.2	84.9	85.3	85.4	A5.4
f 1807			79.9	80.2	80.9	81.6	82.3	83.1	83.5	84.0	84.4	84.4	85.1	A5.5	85.6	85.6
F 1500 l			80 • 1	80.5	81.1	81.8	82.5	83.3	63.7	84.Z	84.6	B4.6	85.3	85.8	85.9	ē5.9
f 1200			80 • 2	80.7	81.4	P2.0	82.7	83.5	84.0	A4.4	84.9	84.9	85.5	a6.J	66.1	66.1
t ingol			30.6	81.1	81.8	82.6	83.4	84.3	64.7	R5.4	85.9	85.9	86.6	97.0	87.1	A 7 - 1
1000			81.0	81.6	82.3	83.1	83.8	84.7	65.2	85.9	86.3	86.3	87.0	R7.5	37.6	87.6
E 8601			82.0	82.6	83.3	84.1	84.9	85.9	86.3	87.1	87.6	87.6	88.2	P8.1	89.8	88.8
E 700			83.5	84 - 1	84.7	85.5	86 - 4	87.5	87.9	88.7	89.2	89.2	99.8	90.3	90.4	90.4
6 6001			84.5	85 . 1	85.8	86.6	87.7	88.7	89.2	49.9	911.4	90.4	91.1	91.5	91.6	91.6
1002			84.5	85 .2	85.9	96.8	84.0	C. ¥8	89.5	90.4	90.8	90.8	91.6	92.1	92.2	92.2
5 4001			84.7	85 .4	86.1	87.1	88.5	89.5	89.9	91.0	91.4	91.4	92.4	72.9	93.1	93.1
1001			85.6	86 .4	E7 - 1	88 • 1	89.7	9u.7	91.2	92.5	93.1	93.1	94.7	95.1	95.4	95.4
500			86.L	86.8	87.5	88.5	90.4	91.6	92.5	24.4	95.0	95.0	97.3	97.7	98.4	98.4
F 1001			86.1	86.9	87.6	88.6	90.5	91.8	92.7	94.7	95.4	95.4	98.3	98.9	99.9	09.9
L DI			86.1	86.9	87.6	88.6	90.5	91.9	92.8	94.8	94.5	95.5	28.4	99.0	100.0	100-0

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

ATR WEATHER SERVICE/MAC

STATION NUMBER: D42020 STATION NAME: THULE AB GL PEPIOD OF RECORD: 77-86
MONTH: JU: HOURS(LST): 1800-2000

											MONTH				1800-20	
IL ING		• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •			IN STATE			• • • • • •		• • • • • • •		
N I	10 10	GE 6	GE 5	G E 4		GE 2 1/2		G E 1 1/2		GE 1	6E 1/4	G E 5 / 8	GE 1/2	GE 5/16	GE 1/4	G E
•••••	•••••	• • • • • •	• • • • • • •	• • • • • • • •		• • • • • •		• • • • • • •	• • • • • • •	• • • • • • •			•••••			• • • • • •
CEIL I																
20000]																
1 8000 L																
146001																
120001																
10000]																
9000   8000																
70001																
60 U G																
seuo I			65.3	66.1	66.6	67.1	67.6	67.8	67.9	68.2	6ª.6	68.6	68.8	69.3	69.3	69.4
45001			66.1	66 . 9	67.3	67.9	68.4	68.6	68.7	69.0	69.4 74.0	69.4 74.0	69.6 74.2	70.0 74.7	70.0 74.7	70.2
4000   3500			70.5 72.5	71 -4 73 -4	71.8 73.9	72.4 74.7	73.0 75.2	73.2 75.5	73.3 75.6	73.6 75.9	76.2	16.2	76.5	76.9	76.9	77.0
10001			75.9	75.9	77.6	78.4	79.1	79.3	79.4	79.8	87.2	80.3	80.5	81.0	d1.0	91.1
25 00 1			77.9	78.9	80.0	80.7	81.5	A1.8	81.9	82.3	82.7	82.8	83.0	83.4	83.4	R3.6
2000)			78.8	79 .B	81.0	81.8	82.5	h2 .8	62.0	A3.3	87.7	83.8	84.0	84.5	84.5	P4.6
18001 15001			79.2 79.7	80 .2 80 .7	81.4 82.3	82.2 83.1	87.9 83.9	83.2 84.1	83.3 64.2	83.8 85.0	84.1 85.4	84.2 85.5	84.5 85.7	84.9 86.1	84.9	85.0 86.3
12001	·		80.1	81.1	82.7	83.4	84.3	84.6	84.7	85.6 ·	85.9	86.U	86.3	R6.7	86.7	86.8
10001			80.9	81.9	83.4	84.2	85.7	85.9	86.0	A7.3	87.6	A7.7	88.0	88.4	88.4	98.5
900			80.9	82 .U	83.6	84.3	85.8	86.0	86.1	87.4	87.7	87.8	88.1	88.5	44.5	88.6
830   700			81.! 82.2	82.5 93.4	84.1 85.0	84.9 85.8	86.4 87.3	86.6 87.5	86.7 87.6	88.9	89.3 89.2	88.4 89.3	99.9 89.9	89.3 90.3	89.3 90.3	89.4 90.4
6001			83.0	84.5	86.11	86.9	88.4	88.6	98.7	90.0	90.3	90.4	91.0	91.4	91.4	91.6
5001			83.4	94.9	86.5	87.5	89.D	89,5	89.5	90.8	91.2	91.3	91.9	92.3	92.3	92.5
400			83.8	85 .2	86. R	87.8	89.3	89.9	90.4	91.9	92.3	92.5	93-1	93.6	93.9	94.0
3001			94.5	96.0	87.6	86.6	90.4	91.1	91.8	93.5	91.9	94.1	95.6	96.2	96.6	96.7
1001			84.7 84.8	86.3 85.4	87•8 88•0	88.9 89.0	90 • 8 91 • 1	91.4 91.8	92.1 92.6	93.8 94.9	94.4 95.6	94.6 95.8	96.6 98.1	97.2 98.9	98.l 99.9	96+2 0•0n1
ត្			84.b	86.4	88.0	89.0	91 • 1	91.8	92.6	94.9	91.6	95.8	98.1	98.9	99.9	100.0

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIPILITY FROM HOURLY OBSERVATIONS

			042020									HONTH		HOURS	(LSTI:		
[ F ]	ILING In	GE	GE	GE	GF	GE	GE	0 E 0 E	G E	IN STATI GE	JTE MIL GE	ES GE	G E.	GE	GE	GE	G E
	EF (		ь	5	4		2 1/2		1 1/2		1	1/4	5/8	1/2	5/16	1/4	Đ
• •		• • • • • •		• • • • • • •	• • • • • • •	• • • • • •			• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •		• • • • • •	• • • • • •
0	CEIL																
E	200001																
	180001																
ιĘ	160001																
	140001																
٠E	120001																
, F	100001																
٠F	9000																
, E	10008																
νĒ																	
F	PC001																
f	snoa!			64.1	64.5	65.0	65.4	66 • 2	66 • 2	66.4	66.9	67.0	67.3	67.2	67.3	07.3	67.3
, Ę				64.6	64.9	65.5	65.8	66.6	66.6	66.9	67.3	67.4	67.4	67.7	67.8	67.8	67.8
٦,	400C			69.0	69.4	69.0	70.3	71.1	71.1	71.3	71 - 7	71.9	71.9	12.1	72.2	12.2	72.2
ıΕ	3500   3000 (			71.9	72 •2	12.8	73.1	73.9	73.9	74.1	74.6	74.7	74.7	74.9	75.0	75.0	75.0
ιE	311001			75 • C	75.5	76.0	76.5	77.3	77.3	77.5	78 . C	74.1	78.1	78.3	78.4	78.4	78.4
F	2500			11.2	77.6	78.2	78.8	74.9	19.9	80.1	80.6	89-7	AD.7	80.9	81.J	81.0	F1.0
, F	2000			78.1	78 -5	79.2	79.8	81.0	81.0	81.3	P1.7	81.8	81.8	82.1	P.2 + 2	82.2	82.2
, C				7R	78 • 7	79.3	79.9	81.2	81.2	81.4	A1.8	87.0	A2.0	8.7 • 2	A2.3	82 - 3	P 2 + 3
ıΕ	1500   1200			79.5 79.6	79 •8 80 •6	80.5 80.7	81.U 81.3	82.4 82.6	82.4 82.6	62.6	85.3 83.5	81.4	83.4 83.7	43.7 43.9	83.8	53.9	£ 3 . 9
, :	15001			14.6	80.0	811.7	01.3	87.0	62.0	82.9	73.5	8 7 . 7	43.1	43.4	P4.3	H4 - 1	84.1
· E	10001			80.4	80.8	81.5	92.2	83.9	83.9	84.1	84.9	85.0	85.0	85.2	85.4	85.5	85.5
۶f.	9001			80.9	81.6	82.3	83.1	84.9	84.8	€5.0	P5.8	847	86.0	86.3	A6.4	86.5	86.5
, E	800 [			80.9	A1 .6	82.3	83.1	84.9	84.9	85.1	85.9	86.0	86.Z	86.5	P6.0	86.7	A6.7
ı E	700			81.6	92 - 3	83.0	83.9	85.7	85.7	85.9	A6.7	86.5	86.9	87.4	A7.5	67.6	87.6
ŗ	6301			81.8	82.5	63.2	A4.1	86.0	8 <b>6 •</b> 0	86.3	87.1	87.2	A7.5	87.7	47.9	88.0	86.0
ŧ.	5001			82.2	82.9	83.8	84.7	86.7	86.8	87.1	88.6	89.1	P8 . 2	89.2	A9.3	89.6	89.6
٠F	400			82.5	93.2	84.1	85.4	87.6	88.0	68.6	89.7	80.8	49.4	91.0	91.1	91.7	91.7
, E	300			82.6	93.3	84.3	95.9	88.4	88.8	69.4	90.7	90.9	90.9	92.4	92.7	94.0	94.1
۰F	1007			82.9	A3.5	84.7	96.3	88.9	89.4	90.2	21.7	97.1	92	94.4	94.9	97.5	97.6
) د	1001			82.5	83.5	64.7	R6.3	88.9	89.4	90.2	31.4	97.3	92.4	95.0	95.7	99.3	99.4

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

		MRER: 04202									MONTH		HOURS	(LST):	ALL	
CEI I Ft	IL 174G IN   LET	GE GE 10 6	GE 5	G F	GE 3	GE 2 1/2	0 E 2	GE 1 1/2	IN STATU GE 1 1/4	OTE MILE GE 1	GE 3/4	Gf 5/8	5£ 1/2	GE 5/16	6E 1/4	6E 0
	CÉIL	••••••	•••••	•••••	•••••	• • • • • • • • •								•••••		
G E	200001															
	180001															
	160001															
	14000  12000															
/. F	100001															
ĞÈ																
GF	•															
CE																
e t	60001															
G E	50 UN		63.8	64 .5	64.9	65.2	65.6	66.0	66.3	66.6	66.9	66.9	67.3	67.6	67.7	67.7
6 E	4500		64 - 7	65 • 4	65.8	66.1	66.5	66.9	67.1	67.5	67.8	67.8	68.2	68.4	68.6	68.6
υE	4866   3500		69.4 71.5	70 •2 72 •6	70.7 73.1	71.0 73.5	71.4 73.9	71.8 74.4	72•1 74•6	72.4 75.0	72.7 75.2	72 <b>.1</b> 75.2	73•1 75•7	73.4 75.9	73.5 76.0	73.5 76.1
6 F	30001		74.2	75 •1	75.7	76.2	76.7	77.1	77.4	77.8	79.1	79.1	78.5	78.8	78.9	78.9
GΕ	25001		76.1	77.0	77.9	78.3	79.0	79.5	79.7	20.1	87.4	80.4	80.8	81.1	81.2	91.3
G E	20001		77.1	78 -1	79.0	79.4	80.2	8.08	81.0	81.5	81.7	81.7	82.2	82.5	32.6	82.6
ս f	1000		11.3	78 .2	79.1	79.6	80.4	81.0	81.2	91.6	81.0	81.9	82.4	A2.6	62.R	82.8
G F	15001		78.2	79.2	80.1	80.6	81.5	82.1	82.3	92.8	87.1	R 3 . 1	83.5	P 3 . B	84.0	P4 • U
G E	12001		78.5	79.5	80.4	4D.9	81.8	82.4	82.7	83.2	83.5	P3.5	83.9	P4.2	64.3	H4.4
GΕ	10001		79.1	£0 •2	81.1	81.7	82.9	83.5	83.7	R4.4	84.7	84.7	85.1	R5.4	85.6	85.6
(, E	960		79.5	80.6	81.5	82.1	83.3	83.9	84.1	8.44	85.1	85.1	85.6	A5.9	86.0	86.C
61	1008		80.1	81 .2	82.1	82.7	83.9	84.6	84.9	85.5	85.8	85.9	86.4	86.7	86.8	96.9
G E	1001 1003		80.9 81.5	82 • 1 82 • 6	83.J 83.6	83.6 84.3	84.9 85.7	85.6 86.4	85.8 86.7	96.5 87.4	86.9 87.4	86.8 87.8	87.4 88.4	87.7 88.7	87.8 38.8	P7.9 A8.8
٠,	0001		01.0		0.7 0	0417	3341	00.4	00.1	01.	0,	01.6	99.4	99.1	30.00	
ijĒ	5001		82.6	83.2	84.2	85.0	86.6	87.4	87.6	88.5	88.0	88.9	89.8	90.1	₹0.3	90.3
61.	4001		82.5	83.9	85.0	86.0	87.6	88.5	88.9	89.9	90,4	90.5	91.6	91.9	92.3	92.3
U.E.	300   200		83 - 1	84.5	85.9	86.9 97.3	88.8	89.7	90.2 91.0	91.5 92.6	92.2 93.4	92.3 93.5	93.9 95.8	94.3	95.0 39.2	95.0 98.3
6 E	1001		83.4 83.5	84 .8 84 .9	86.2	87.4	89.5 89.5	90.3 90.5	91.0	93.1	93.4	94.0	96.7	97.4	99.6	98.3
٠.			0,4,	V7 • •	30.	01.7	J. • ·,	,,,,	,		• .	,				
C.F	0.1		83.5	84.9	86.3	87.4	89.5	90.6	91.3	93.2	94.0	94.1	96.9	97.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7985

0

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

					ON NAME	_						HONTH	: JUL		-86 (ESTI:	unun-n2	00
EILIYO		• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •			IN STATI		FS	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •
IN FEET	İ		6 E	6E 5	G F.		GE 2 1/2	G E 2	GE 1 1/2	GE 1-1/4	G£ 1	GE 4/4	S1 5 / 8	GE 1/2	GF 5/16	6E 174	C C
••••	• • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •
LEIL	. 1																
2001	101																
T 1800																	
E 160L	ן חנ																
E 1400																	
E. 1200	ן מנ																
E 1000	100																
906																	
F 800																	
f. 700																	
F 600	301																
E <b>5</b> 00	101			63.1	63.2	63.7	63.9	64.0	64.4	64.4	64.9	65.1	65.1	66.3	66.3	66.5	66.5
E 450	10 i			65.3	65 .4	65.9	66.1	66.2	66.6	66.6	67.1	67.3	67.3	69.5	68.5	68.7	66.7
E 400	001			71.7	71.9	72.3	72.6	72.7	73.1	73.1	73.5	13.8	73.8	75.0	75.0	75.2	75.2
E 350				15.3	75 .5	76.C	76.2	76.5	76.9	76.9	77.4	77.6	77.6	78 . 8	78.8	19.G	79.0
F 31) ()	101			79.0	74.5	79.8	80.0	80.4	80.8	80.8	81.2	81.4	81.4	82.7	P2.7	82.9	82.9
E 250	io I			80.4	83.6	81.2	81.4	81.8	82.2	87.2	P2.7	82.9	82.9	84.1	84.1	84.3	84.3
200				81.3	81.6	82.3	82.5	82.9	83.3	83.3	83.8	84.0	84.0	85.2	85.2	85.4	85.4
150	100			81.6	81.8	82.5	82.6	83.1	83.5	83.5	84 . D	84.7	84.2	85.4	85.4	85.6	85.6
150				61.7	81.9	82.7	82.9	83.2	83.6	<b>03.6</b>	84.1	84.3	84.3	85.5	85.6	85.8	85.8
F 12.	101			82.3	82.5	83.3	83.5	83.9	84.3	84.3	P4.7	85.0	85.U	86.2	86.3	a6.5	86.5
100	ın t			87.9	P3.1	83.9	84.1	84.4	84.9	84.9	85.3	85.5	45.5	86.7	P6.3	87.D	87.U
	101			82.9	83.1	84.0	84.2	84.5	85 · U	85.0	85.4	85.6	85.6	86.8	86.9	87.2	F1.2
F 80	01			83.2	83.4	84.5	84.5	64.9	95.3	85.3	85.7	85.9	85.9	87.3	97.4	87.6	87.6
	101			83.4	83.5	84.5	84.7	65.1	85.5	85.5	85.9	86.2	86.2	87.5	R7.6	67.8	87.8
E 60	CI			83.8	84 -1	85.1	85.3	85.6	86.1	86.1	86.7	86.9	85.9	89.3	88.4	88.6	88.6
5.0	100			84.1.	84.3	85.3	95.5	86.2	86.6	86.6	87.4	87.5	87.8	89.5	P9.9	90.2	90.2
	וסו			84.9	95 .2	86.2	86.4	87.0	A7.5	87.6	88.4	88.9	88.9	90.7	91.1	91.7	91.7
	ו מו			85.4	95 • 6	86.8	97.2	87.8	98.4	68.5	89.4	90.2	90.3	92.8	93.2	94.4	94.4
	101			85.8	A6 . 3	87.4	86.0	8.88	89.4	89.5	90.3	91.3	91.5	94.8	95.5	97.0	97.5
E 10	10			85.5	86.3	87.4	88.0	88.8	89.5	89.8	90.9	92.1	92.3	95.7	96.4	98.6	99.8
•	01			85.8	86.3	87.4	88.0	88.8	89.5	69.8	90.7	92.1	92.3	95.7	96.5	98.8	100.0
					• • • • • • •												

TOTAL NUMBER OF OBSERVATIONS:

911

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIPILITY FROM HOURLY OBSERVATIONS

ATR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF FECORD: 77-86 MENTH: JUL HOURS(LST): 0300-0500 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE 2 1 1/2 1 1/4 1 IN 1 5E FEET 1 10 I GE GE GE GE GΕ GE GΕ GŁ GE GE 3 2 1/2 5/6 1/2 5/16 3/4 1/4 O NO CETE 1 GE 200001 6E 160001 4E 160001 UF 14 601 6E 1.600 6F 100001 to F 90001 GF 80001 7000 GF 60001 63.3 65.4 72.6 75.3 soup I 63.7 65.7 72.9 75.7 GE 62.8 63.1 64-1 64.5 64.8 65.2 65.3 66.0 67.0 67.3 67.4 67.5 64.9 71.8 74.6 65 · 2 72 · 4 75 · 1 66.9 67.3 74.6 77.3 68.0 75.2 78.0 68.1 75.3 78.1 69.4 69.5 76.8 69.0 69.1 ⊌ £ 45001 66.2 66.6 40001 76 • 3 79 • 1 r. F 76.8 79.4 3500 ( 76.1 76.5 74.6 83.U 30001 77.4 79.8 80.1 80.7 82.5 P2.8 80.4 80.7 80.7 82.5 82.8 82.8 6 E 2500 l 2000 l 78.4 79.7 79.2 79.5 79.6 80.0 80.8 82.6 83.6 93.9 84.0 84.4 84.1 82.2 82.2 82.8 81.2 81.2 94.3 E4.5 80.3 61.4 83.9 82.9 83.7 84.3 85.0 84.5 18601 73.7 79.5 80.0 80.3 81.4 83.9 54.4 υE 15001 79.4 80 .2 80.6 90.9 81.4 81.8 82.0 81.6 84.7 85.2 12001 79.8 31.4 85.8 80.6 61.1 inont 86.3 61 80.3 81.2 81.6 81.9 81.9 82.4 82.4 82.8 82.8 აქ.0 ცვ.0 85.7 86.1 86.5 P3.8 84.6 84.7 2001 80.3 81 .2 81.6 83.8 84.6 85.0 85.7 86.1 80.5 P7.1 IDER υ£ 80.5 91.4 81.9 82.2 82.6 83.0 83.4 94.1 86.3 86.8 67.0 700 80.L 81.6 82.0 82.4 85.5 97.4 6 f EUUI 81.2 A2 .2 82.6 82.9 83.4 83.8 84.1 AS A II 86.6 87.2 97.7 67.9 88.0 Sont 81.3 82.2 82.6 93.5 83.1 83.5 84.8 83.9 85.5 84.4 85.9 86.9 88.7 90.7 88.9 31.1 69.1 91.4 84.7 85.9 87.6 86.3 88.5 88.4 4001 90.6 93.2 91.5 90.6 94.9 t. F 3601 82.8 84 . 1 85.2 85.9 86.6 87.0 87.4 89.2 93.8 94.5 85.5 97.2 6 E 2001 82.9 R7.6 88.0 91.7 91.9 95.2 95.9 84.5 86.2 86.7 90.2 1001 99.7 86.9 0 ( 86.2 86.9 88.0 88.5 99.9 97.5 92.6 96.0 96.8 100.0

TOTAL NUMBER OF ORSERVATIONS:

96.9

## PERCENTAGE FREQUENCY OF OCCUPRENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION	MILMBED +	062027	STATION NAM	 74111 6	AL CI	

STATION NUMBER: 042023	STATION	NAME:			PEP100 OF PECORD: 77-86 MONTH: JUL HOURS(LST): UKUC-0600									
CEILING IN   GE GE FEET   10 6	6E 5	6 F 4	GE 3	GE 2 1/2	V I S I B G E		N STATU GE 1 1/4	TE MILL GE 1		G ( 5 / 8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CETE 1														
GE 120001 GE 140001 GE 240001														
GF 100001 GF 90001 GF 80001 GF 70001 GF 60001														
6! Strop  6: 4:00	64.7 65.7	65 • 1 66 • 0	65.5	65.6	66.5	66 • 7 67 • 8	67.1 66.2	67.4 68.4	67.6 6°.7	67.6	68.8 69.9	69 • 1 70 • 2	69.2 70.3	69.4 76.5
GT 40U0	72.1	73.3	73.9	74.6	74.9	75.1	75.5	75.8	75.1	76.1	77.3	77.5	77.7	11.9
GF 350P	75.5	76 . 1	76.7	76.4	77.7	77.9	78.4	79.6	79.9	18.9	80.1	RU.5	80.6	" ( • ti
GE 30001	78.5	79 •0	79.7	79.8	80.7	80.9	81.3	R1.6	81.9	81.9	83.1	03.4	83.5	F 3 • 7
GE 25001	79.4	0.1		0.1. 3		0.2 #	e 1 0	83.1	81.4	83.4	84.6	• 0	85.U	61 2
61 200nl	80.9	81.5	81 • 1 82 • 1	81 • 2 82 • 2	82.1 83.1	82 • 4 8 3 • 4	82.9 83.8	94.1	84.4	P4 . 4	85.6	84.9 85.9	86.0	65.3 76.2
61 18001	80.9	81.4	82.1	82.2	83.1	63.4	83.A	84.1	84.4	84.4	85.6	25.9	86.0	86.2
61 15001	61.3	R1 •9	82.5	82.6	83.5	83.8	84.3	94.5	84.8	84.8	86.1	26.5	86+8	87.0
GE 12001	81.9	B2 •4	83.1	83.2	84.1	84.4	84.8	85.0	85.4	85.4	96.7	87.i	87.3	P7.6
61 15001	82.3	0 2 0	6 7 .	0.1.4	0.5	0		85.5	85.3	85.6	87.1	0.7 4	. 7 0	0
6F 9001	62.8	92.9 83.4	83.5	83.6 84.3	84.5 85.2	84 •8 65 •5	65.3 85.9	86.1	86.5	96.5	87.8	87.6 88.2	87.8 89.4	96.U 86.U
G! PUO!	83.1	93.7	84.5	94.6	85.5	85.8	86.2	86.5	81.7	86.9	68.2	84.6	89.9	F9.1
2f 7u0]	83.3	39 .0	84.7	84.8	85.8	96.1	86.6	P6.8	87.2	87.2	88.5	89.J	87.2	89.4
Gr Fort	83.3	84.0	84.7	84.8	85.R	86 • 1	86.6	86.8	87.2	87.2	88.5	R9.0	59.2	89.4
6F 5001	94.4	85 .U	95.8	85.9	86.9	B7.2	87.7	A7.9	8P.3	88.4	8.48	90.5	90.7	96.0
6f 4un	85 • L	95 • 7	87.0	A 7 . Z	88.5	89.1	69.5	90.1	90.5	90.6	92.4	23.0	93.3	93.6
6.5	85.4	95 + 0	87.3	87.7	59.1	89.6	90 • 1	91 • U	91.6	91.7	94.7	95.4	96.2	96.4
- 61 - 26 <u>21</u>	н5.€	96.2	87.6	#7.Y	89.4	90 • 1	90.5	91.8	92.1	92.8	95.7	96.9	9 A . 4	98.7
5F 10"	84.6	96 .2	87.7	86 • U	89.5	30 •S	90.6	92.0	92.9	93.0	96.2	97.4	99.5	100.0
, ag	85.6	86	A7.7	85.G	49.5	90.2	90.6	92.0	97.9	93.0	96.2	07.4	99.5	

TOTAL NUMBER OF OPSERVATIONS: " "TA

#### PERCENTAGE FREQUENCY OF OCCUMPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 04202									HONTH		HOURS	ILST): [		
Ctilin6	• • • • • • • • • •	••••••	• • • • • •	• • • • • • •			IN STATE			• • • • • • •		• • • • • •		
IN   GE GE FEET   10 6	GE 5	6 F 4		GE 2 1/2	GE S	G E 1 1/2	GE 1 1/4	GE 1	GE 3/4	G E 5 / B	GE 1/2	GE 5/16	GE 1/4	G G
	• • • • • • • • •	• • • • • • • •		• • • • • • •		• • • • • •	<i>.</i>	• • • • • •	• • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • • •
NO CEIL !														
PE 50000														
UE 180JO														
GF 16000														
65 14000  65 12000														
GE 10000														
0.000 J														
6E 8000  6E 7000														
GE GNON!														
6F 50001	67.4	67.7	59.4	68.7	69.6	69.6	69.7	69.8	60.9	70.1	70.7	70.7	70.7	10.1
GE 45001	68.6		9.6	69.9	70.7	70.7	70.9	71.6	71.1	71.3	71.9	71.9	71.9	71.9
UF 4000!	75.1		16.2	76.5	77.6	77.6	77.7	77 - 8	77.9	78.1	78.8	78.8	79.8	76.8
01 35001 0F 30001	78.1 81.7		19•2 32•8	79.5 93.1	80.6 84.2	80 •6	60.7 84.3	PU.8 R4.4	80.7 84.5	81.1 84.7	81.8 85.4	81.8 95.4	81.8	81.8
01 30001	01.1	32 • U C	32 • 3	73.1	04.2	84.2	04.3	.4.4	54.7	04.1	03.4	33.4	0.4	85.4
UF 25001	82.7	83.0 8	33.7	34.1	85.2	85.2	85.3	85.4	85.5	85.7	86.3	96.3	86.3	P6.3
GE 2000	83.7		34.6	95.2	86.2	86 -2	86.3	86.5	86.6	86.8	87.4	87.4	87.4	87.4
6F 1800  6E 1500	83.7 84.0		54.ª 35.0	85.2 85.4	86.2 86.5	86.2	86.3	86.5	86.6 86.9	86.8	87.4 87.9	A7.4	87.4 87.9	67.4 67.9
GF 12001	84.6		35.7	36.0	87.1	86.5 87.1	86.6 87.2	86 • 8 87 • 4	87.5	P7.8	88.5	P7.9	88.5	P8.5
						· · · ·	• • • •							
SF 10001	85.2		36.2	86.6	87.6	87.8	87.9	98.2	87 . 3	88.5	89.5	49.5	89.5	89.5
66 9001 5 8001	85.2 85.5		36 • 2 36 • 6	86.6 86.9	87.6 88.0	87.8	87.9	88.2 88.6	8P.3 89.7	98.5 88.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 85.9
61 709)	85 · t		36.7	87.0	89.1	88 • 1 88 • 2	86.2 88.3	88.7	5P.8	89.1	95.0	90.0	90.0	90.0
Gr 600	85.9		37.0	87.3	88.4	88 - 5	88.7	89.2	89.3	89.5	90.7	90.7	90.7	90.7
66 (00)	96.£	86.9 E	37.6	88.0	89.1	89.3	89.6	90.2	90.5	90.7	91.9	92 • 1	92.1	92.1
GF 4001	£7.4		8.5	86.8	90.D	90.4	90.7	91.3	91.7	91.9	93.2	93.4	93.4	93.4
GF 300‡	87.6		8.8	99.2	9().4	90.7	91.C	92 • 1	97.5	92.8	95.1	95.3	95.7	95.7
6f 2001 6f 1301	87.8 88.U		39.1 39.3	89.4	9C.8 91.1	91.3	91.7	92.8	93.9	93.9	97.1	27.5	98.7 99.7	98.8 99.9
ut tuut	0r.u	70.3	,,,,	07.1	71.1	91.7	92.0	93.2	A 2 * A	74.3	97.6	98.2	44.1	77.7
6F <b>nj</b>	88. u	88.5	39.3	89.7	91.1	91.7	92.0	93.2	9:.9	94.3	91.7	98.3	99.8	100.0

FOTAL NUMPER OF ORSERVATIONS: 923

C

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

			042020									MONTH:		HOURS	LSTI:		
	LING	• • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • •	• • • • • • •			IN STATE			• • • • • • •		• • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •
F E	N I ET I	10 GF	GE G	G E 5	G E 4		GE 2 1/2	GE S	G E 1 1/2	GE 1 1/4	GE 1	GE 3/4	G E 5 / F	GL 1/2	SF 5/16	GE 1/4	GF O
• • •	• • • • • •	• • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •		• • • • • • •	• • • • • • •	•••••	• • • • • • •		
N 0	CEIL I																
6 <b>E</b>	260001																
	180001																
ĿΕ	160001																
G E	140001																
GΕ	12000																
6 F	100001																
	9000																
GE	80001																
G E	70001																
GF	60001																
G F	Souol			66.7	66.9	67.6	67.8	68.6	68.7	68.R	69.4	69.5	69.6	69.8	69.8	69.8	69.8
GΕ	4500					69.3	69.4	70.3	70.4	70.5	71.0	71.1	71.2	71.5	71.5	71.5	71.5
i, E	40001			75.7	75.9	76.8	76.9	78.0	78 -1	78.2	78 • B	78.9	79.0	79.2	79.2	79.2	79.2
G E	35001			79.3	78 -5	79.6	79.7	80.8	BU.9	81.0	81.6	81.7	81.8	82.0	82.D	82.0	F2.U
υr	30001			82.4	82 •6	83.7	83.8	84.9	85 •U	65.1	85.6	85.7	85.8	36.1	P6.1	86.1	96.1
G E	25001			83.7	83.9	85.0	85.1	86.2	86.3	86.4	86·9	87.0	87.1	87.4	97.4	87.4	87.4
G E	20001					85.7	85.8	86.9	e7.0	87.1	87.7	87.8	87.9	89.1	98.1	88.1	R8 . 1
ů F	18001			84.4	94 .6	85.7	85.8	86.9	87.0	87.1	P7.7	87.8	87.9	88.1	98.1	d 4 . 1	88.1
υE	15001			84.7	95 .0	86.1	86.2	87.3	87.4	67.5	88.0	88.1	88.2	88.5	88.5	80.5	P8.5
⊌ F	12001			85 • 3	85 • 5	86.6	86.7	87.8	87.9	69.D	88.6	89.7	8 . 8 P	89.0	89.U	89.0	89.U
G F	10001			85.6	85 •8	86.9	87.0	88.1	88.2	88.3	88.9	89.0	89.1	89.3	89.3	89.3	89.3
GE	900					86.9	87.0	88.1	88.2	89.3	88.9	87.0	89.1	89.3	89.3	89.3	89.3
6 È	1009					87.9	88.0	89.1	89.2	89.3	90.1	90.2	90.3	90.5	90.5	90.5	90.5
υE	760]			86.5	R6 .8	67.9	88.0	89.1	89.2	89.3	90 • 1	90.2	90.3	90.5	90.5	90.5	96.5
G E	6301			86.9	87 - 5	6A.3	88.5	89.5	89.9	90.0	90.9	91.0	91.1	91.5	91.5	91.5	91.5
G E	5001			87.5	97.8	88.9	89.0	90.1	90.5	90.7	91.6	91.7	91.8	92.6	92.7	92.7	92.7
5 E	400					89.2	89.4	90.5	91.1	91.4	72.4	9 ? 5	92.6	93.4	93.5	93.5	43.5
GF	300 l					89.7	90.1	91.5	92.2	42.5	93.9	94.4	94.7	96.4	96.5	96.5	96.5
GΕ	2001					90.3	90.7	92.2	93.5	93.A	95.3	96.4	96.7	98.5	98.9	99.1	99.2
6 E	1001			88.6	89.0	90.3	90.8	92.3	93.6	94.0	95.6	96.7	97.5	99.5	99.6	99.8	99.9
G F	e i			88.6	89.U	90.3	90.8	92.3	93.6	94.0	95.6	96.9	97.3	99.6	99.7		100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

ATR MEATHER SERVICE/MAC STATION NUMBER: 042020 STATION NAME: THULE AB GL PEPIOD OF RECORD: 77-86 MONTH: JUL HOURS(LST1: 1500-1700 VISIBILITY IN STATUTE MILES GE GF GE GE GE GE GE GE 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 CLICLING
IN I GE GE GE GF GE GE
FEET ) 10 6 5 4 3 2 1/2 3 D NO CEIL I GF 180001 61 160001 6E 140001 GE 120001 6E LOGGO I 90001 GF 80001 7000 60001 70.0 71.7 76.9 79.5 70.2 71.9 77.3 6E 50001 70.4 71.3 76.4 79.0 72.2 17.6 73.1 78.7 73.6 79.1 73.6 79.1 81.9 74.2 79.8 82.5 74.8 80.3 G E 45001 74.8 80.3 74.8 80.3 74.8 8U.3 74.8 74.8 4000) 3500] 80.3 80.3 80.0 80.3 81.4 81.9 83.1 A 3 . 1 83.1 83.1 83.1 83.1 3000 [ 86.9 87.8 R7.8 87.8 86.1 86 .6 66.6 87.8 67.8 20001 84.8 85.3 85.9 86.2 86.2 86.6 87.4 87.9 87.9 87.9 87.9 88.2 88.5 88.5 89.1 89.1 89.1 89.4 87.1 99.1 89.1 89.1 18001 89.1 89.4 89.1 89.4 89.1 89.1 15001 85.0 86 . 2 12001 85.6 86.4 86.7 87.9 86.3 88.3 89.0 82.5 89.5 89.5 R9.5 89.5 irani 87.0 87.4 87.7 88.3 88.5 90.3 90.5 90.3 91.5 91.5 91.7 91.6 91.6 89.8 90.9 91.6 91.6 87.4 87.4 88.9 90.1 91.2 91.8 91.8 89.1 800 I 88.8 89.0 90.7 90.7 91.4 92.0 92.4 92.1 92.1 92.5 92.1 92.5 υ£ 87.9 90.3 92.1 88 .0 90.6 92.5 1900 89.0 89.2 89.5 5001 87.8 88 .2 89.5 93.0 93.6 93.6 93.6 93.0 4001 88.1 88.5 90.0 91.3 92.0 92.0 95.7 93.9 95.6 94.4 94.4 94.4 94.4 6 F 300 İ 89.0 90.6 91.0 96.4 96.4 89.2 91.5 91.7 G f 2001 89.6 90.0 92.9 94.3 95.7 96.7 97.3 78.5 98.8 1001 93.1 100.0

TOTAL NUMBER OF OBSERVATIONS:

0

89.8

91.2 91.7

93.1

94.7

94.9

96.3

97.5

98.0

99.2

99.3

99.8 106.0

# GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY OBSERVATIONS ...

STATION NUMBER: 042020	STATION NAME	PERIOD OF PECORD: 77-86 MONTH: JUL HOURS(LST): 1800-2000							
	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		IN STATUTE MI			• • • • • • • • • • • • • • • • • • • •		
IN I GE GE	GE GE	GE GE	GE GE	GE GE	GE GE	GE GE	GE GE		
FEET   10 6	5 4	3 2 1/2	2 1 1/2	1 1/4 1	3/4 5/8	1/2 5/16			
		• • • • • • • • • • • • • • • • • • • •					*************		
NO CEIL									
UE 20000									
GE 18000									
GE 16000  GE 14000									
UE 12000									
6E 100001									
J€ 9000]									
GE 80001									
G.E. 7000									
LE 6000									
UE 5000)	69.0 68.3	69.0 69.3	69.8 70.0	70.2 71.0	71.2 71.2	71.4 71.5	71.5 71.5		
5C 4500	68.8 69.2	69.8 70.2	70.7 70.9	71.0 71.9	72.1 72.1				
GE 40001	75.6 75.9	76.9 77.2	77.8 78.0	78.2 79.1	79.3 79.3				
GE 3500  GE 3000	78.9 79.2 82.7 83.0	80.2 90.6 84.0 84.4	81.2 81.4 85.2 85.4	81.6 82.5 85.6 86.5	82.7 82.7 86.7 86.7				
76 36404	92.1 63.0	64.0 74.4	03.2 63.4	03.0 00.3	90.1	00 th Fd.			
Gr 2500	83.9 84.2	85.7 85.6	86.4 86.6	86.R 87.7	87.9 87.9				
ar 2000)	85.0 85.3	86.3 86.7	87.5 87.7	87.9 88.8	87.0 89.0				
GF 1800	85.0 85.3	86.4 86.8	87.6 87.8	88.0 88.9	89.1 89.1				
GE 1500  GE 1200	85.2 85.5 85.9 86.3	86.6 87.0	87.8 88.U 88.6 88.8	88.2 89.1 89.0 89.9	89.3 89.3 90.1 90.1				
36 12001	85.9 86.3	87.4 87.8	88.6 88.8	07.0 57.9	70.1 70.1	70.2 70.3	70.3 70.3		
6F 1000	86.4 86.7	87.8 88.2	89.2 89.4	89.7 90.5	90.7 90.7	90.8 91.0	91.0 91.0		
Gf 900}	86.6 86.9	88.0 98.5	89.7 89.9	90.1 91.0	91.2 91.2				
6E 860	86.9 87.3	88.3 88.8	90.0 90.2	90.4 91.4	91.6 91.6				
GT. 700	67.C B7.4	89.5 88.9	90 . 2 90 . 4	90.6 91.6	91.9 91.8				
GE 600	87.1 87.5	88.6 89.0	90.3 90.5	90.7 91.7	91.9 91.9	92.4 92.5	92.5 92.5		
GE 500!	87.6 88.0	89.1 89.5	90.8 91.2	91.4 92.5	92.7 92.9				
GE 4UAI	68.1 86.6	89.7 70.1	91.4 91.7	91.9 93.1	97.4 93.6				
6E 300  6E 200	88.5 88.9 88.6 89.1	90.1 90.5	91.8 92.2	92.4 93.9	94.2 94.4				
6( 100)	88.6 89.1 88.6 89.1	90.4 90.8 90.4 90.8	92.3 92.6 92.3 92.9	93.1 95.4 93.5 95.9	96.2 96.4				
, 100,	0.40 3741	70.4 70.60	76 . 3 76 . 7	73.3 75.7	90.0 90.0	70 10 10 1	, ,,,, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
GE OI	88.6 89.1	90.4 90.8	92.3 92.9	93.5 95.9	96.6 96.8	99.6 98.9	99.9 100.0		

#### PERCENTAGE FREQUENCY OF OCCUPRENCE OF CFILING VFRSUS VISIBILATY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL											PERIOD OF RECORD: 77-86 Month: Jul Hours(LST): 2100-2300							
CEILING	• • • • • • • •	•••••	••••	• • • • • • •	• • • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	••••		
	I GE	GE	СĘ	GE	GE	GE	GE	GE	GE	GE	ւ չ	GL	GE	GE	GŁ	GΕ		
	1 10	6	٠.,	4		2 1/2			1 1/4	1	3/4	5/8	1/2	5/16	1/4	0		
	-																	
				••••														
NO CEIF	į.																	
SE 200001	ı																	
GE 180001	i																	
GE 160001	t																	
GE 140001	i																	
GF 120001	l																	
6 <b>E 1000</b> 0																		
Gr 9000	•																	
GE 8000(																		
61 7000																		
GE 60UD1	ı																	
GE 5000	ı		64.8	55.2	65.4	66.2	66.2	66.6	66.8	67.3	67.3	67.3	67.7	67.7	67.8	67.8		
GE 4500	I		66.4	66.9	67.5	67.9	67.9	68.2	68.4	69.0	60.0	69.0	69.3	69.3	69.4	69.4		
GE 40001	l		74.6	75.1	75.7	76.1	76.4	76.7	16.9	11.5	77.6	77.6	77.9	77.9	7 P • O	78.0		
GE 3500	I		78.1	78.6	79.2	79.6	80.1	80.4	80.7	81.2	81.3	A1 - 3	81.6	81.6	81.7	81.7		
GE 30001	I		80.7	81.3	82.1	82.4	83.0	83.3	83.5	84.0	84.3	A4.3	84.6	R4 . 6	84.7	84.7		
65 2500	1		82.1	82.7	83.5	83.8	84.4	84.7	84.9	A5.5	85.7	85.7	86.0	R6.U	86.1	86.1		
6F 2000	i		82.4	83.1	63.9	84.4	84.9	85.2	65.5	86.0	86.2	96.2	86.6	P6.6	86.7	86.7		
GE 1600	1		92.4	83.1	83.9	84.4	84.9	85.2	85.5	86.O	86.2	86.2	86.6	86.6	86.7	B6.7		
6E 1580	l		82.6	83.3	84.7	84.6	85.1	85.5	85.7	86.2	86.4	86.4	86.8	86.8	86.9	86.9		
GE 1200	ı		83.6	84.3	85.4	85.8	86.3	B6 . 7	86.9	87.4	87.7	87.7	88.0	88.G	88.1	88.1		
66 1000	ì		84.6	85.2	66.3	86.8	87.5	87.9	88.1	A8.6	80.9	88.9	89.2	89.2	89.3	89.3		
GE 9001	F		84.9	85.7	86.8	87.2	88.0	88.3	88.5	89.1	80.3	89.3	89.6	89.6	89.7	89.7		
GE ROO!	ţ		85 • U	85 .8	86.9	87.3	88.1	88.4	88.6	A9.2	80.4	89.4	90.1	90.1	90.2	90.2		
GF 700	i		85.4	86 - 1	87.2	87.7	88.6	89.0	89.2	89.7	89.9	89.9	90.6	90.6	90.7	96.7		
GE 6001	ı		95.5	96.2	87.3	87.8	88.7	89.1	89.3	89.8	90.1	90.1	90.9	90.9	91.0	91.0		
6E 500			85.7	86.4	87.5	88.0	89.1	A4.5	89.7	90.3	90.5	90.6	92.0	92.0	92.1	92.1		
6E 4001			36.1	85.9	88.0	88.4	89.5	90.2	90.4	91.0	91.3	91.4	92.9	92.9	93.0	93.0		
GE 300			86.8	87.6	88.9	89.3	90.4	91.0	91.3	92.0	92.2	92.6	94.1	94.1	94.3	94.9		
	t		37.0	99.0	89.4	89.8	91.0	91.8	92.1	93.1	93.3	93.9	96.4	96.9	9R.O	98.7		
GE 200																		
GE 200   GF 100			87.0	88.0	80.4	89.8	91.0	92 • 1	92.5	93.4	91.8	94.3	96.8	97.4	98.7	99.7		

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMPER: 042020	OITATZ	N NAME:	THULE	AB GL						OF KECC	PD: 77		ALL	
			• • • • • •		• • • • • • • •				• • • • • •		• • • • • •			• • • • • • • • • •
CFILING IN   GE GE FEET   10 6	GE 5		6E 3	2 1/2	GE 2	6 E 1 1/2		GE 1	GE 3/4		GE 1/2	GE 5/16	GE 1/4	GF U
	• • • • • • • • • • • • • • • • • • • •								,					
NO CEIL														
GF 20000   GE 18000   GE 16000   GE 14000   GE 12000														
GE 10000   GE 9000   GE 7000   GE 6000														
55 5000 f	65.9	66 •2	66.7	66.9	67.5	67.8	68.0	68.4	68.7	68.8	69.3	69.4	69.5	69.5
GE 4500	67.4	67.7	68.3	68.5	69.1	69.4	69.5	70.0	70.3	70.3	73.9	71.0	71.1	71-1
GE 4000	14.2	74 -6	75.2	75.5	76.2	76.5	16.6	77.1	77.4	77.4	78.0	78 - 1	19.2	78.2
GE 3500	77.2	77.6	78.3	78.6	79.3	79.6	79.8	PO.2	80.5	80.6	81.2	A1.3	81.3	61.4
GE 30001	80.6	91.1	81.8	82.1	82.9	83.1	83.3	83.B	84.1	84.2	84.8	94.3	84.9	P.5.0
GE 25001	61.8	82.3	83.0	83.3	84.1	84.4	84.5	85.0	84.3	85.4	86.3	86.1	86.1	86.2
GE 20001	82.7	83.1	83.9	84.2	85.0	85.3	85.4	A5.9	86.2	86.3	86.9	87.0	87.0	87.1
6E 18001	82.7	93.1	83.9	84.2	85.0	95.3	85.5	96.C	86.3	86.3	86.9	87.0	87.1	87.1
CE 15001	83.0	83.4	84.2	84.5	85.3	85.6	85.8	86.3	86.6	86.7	87.3	A7.4	87.5	P7.5
GE 12001	83.6	84 -U	84.9	85.1	85.9	86.2	86.4	86.9	87.7	87.3	87.9	86.N	88.1	66.2
61 17001	84.3	84.7	85.6	85.9	86.7	87.U	87.2	P7.7	88.0	98 - 1	88.8	88.9	89.0	69.0
65 9001	84.4	84.9	85.8	86.1	86.9	87.2	87.4	88.0	89.7	98.3	89.0	99.1	89.2	69.3
Gr auol	84.8	85.3	86.1	86.4	87.5	87.6	67.8	88.4	84.7	38.8	89.6	99.7	49.8	89.8
6E 7U01	94.5	85 · 4	86.3	86.6	87.5	87.8	68.0	A8.6	89.0	89.1	89.8	90.0	90.1	6U.1
GE GUOI	85.2	BS . 7	86.6	86.9	67.8	88.1	88.3	89.0	89.5	R9.4	90.3	90.4	93.5	90.5
														51.4
65 5001 65 4001	85.6 86.2	86 •2 86 •8	87.1 87.8	97.4 98.2	88.4 89.2	88.8 89.7	89.0 90.0	89.7 90.9	9".1 91.3	90.3 91.4	91.5 92.8	91.7 93.0	91.8 93.2	91.8 93.2
GF 3001	86.7	87.3	88.4	88.9	90.0	90.6	90.0	92.0	.92.6	92.9	94.8	95.1	95.5	42.5
65 2001	86.9	87.6	88.8	89.3	90.5	91.3	91.7	93.1	94.0	94.3	96.8	97.3	98.3	96.6
65 100	87.0	87.6	88.9	89.4	90.5	91.5	91.9	93.5	94.5	94.8	97.4	98.0	99.3	99.9
01 1001	91.0	01.40	00.4	77.4	717 • 0	71.0	71.7	7363	7747	77.0	,,,,	*********		
GE O∤	87.6	87.6	88.9	A9.4	90.6	91.6	92.0	93.5	94.5	94.8	97.5	98.1		100.0
			• • • • • • • • • • • • • • • • • •								• • • • • •			

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042023 STATION NAME: THULE AB GL

PEPIOD OF RECORD: 77-86
MONTH: AUG HOURS(LSTI: 0000-0200 CEILING IN I GE GE GE GF GE GE FEET I IC 6 5 4 3 2 1/2 0 NO CETE 1 61 260a41 GF 160001 6E 140001 GE 129901 65 100001 G E 90001 80001 UE 10001 60001 54.3 56.4 65.9 71.7 55.1 57.8 61.4 50001 55.4 57.4 67.1 52 · 3 54 · 4 63 · 7 53.2 53.4 53.9 53.2 54.0 55.3 64.5 70.6 55.9 65.5 71.2 56.0 65.6 71.3 56.2 65.8 71.6 56.4 56.6 54.2 55.3 55.5 65.0 56.7 G f 45001 40001 G.F. 35001 69.2 69.5 70.6 70.8 72.0 G.E Bran i 73.9 74.9 74.9 75.1 76.0 77.5 t, F 25001 75.7 76.3 77.6 77.9 78.3 78.4 78.6 79.7 78.7 79.0 79.2 79.9 80.2 61.1 81.3 81.4 81.4 83.2 81.5 81.9 81.9 83.U 20001 78.L 60.3 80.3 R1.4 82.6 78.6 80.6 81.0 υÉ (, F Leoni 78.0 78.5 AJ.3 80.3 82.1 80.3 80.6 81.0 61.1 62.8 81.3 83.1 91.4 93.2 81.8 83.5 83.8 81.9 83.6 82.6 83.0 79.6 82.7 ı, f 15001 82.1 84.4 84.7 12001 79.9 83.7 82.6 84.7 10001 80.6 63.9 35.7 86.0 81.3 85.8 80.7 81.3 81.4 83.2 83.3 63.2 83.3 83.4 83.5 83.8 83.9 84.0 84.4 84.5 84.9 85.7 85.9 1. F 9001 84.5 64.5 84.9 86.0 84.6 Boni 84.6 85.0 85.1 86.2 86.0 87.7 61 7001 80.8 81.5 83.4 81.4 83.6 84.0 64.1 94.6 84.7 95.1 A5.2 Pb . 3 81.4 G f 6001 84.7 84.7 85.6 86.3 88.1 82.6 5601 56.5 87.3 87.8 97.1 67.7 87.9 89.7 69.A 96.1 82.6 83.4 85.5 86.0 86.4 87.2 87.2 88.4 88.5 85.5 87.1 90.1 91.6 83.7 84 • U 86.8 87.9 88.7 90.6 G F 4001 86.7 87.8 RY.3 96.9

87.1

88.5

88.5

88.8

88.8

89.4

A9.4

R9.7

89.7

8º.8

an. 3

90.4

90.3

90.4

92.5

92.6

92.4 96.2 +7.8

93.1

97.2

94.8

97.9 100.0

90.3 92.5

95.4

91.5

TOTAL NUMBER OF OBSERVATIONS: 921

86.8

87.0

87.C

94.8

84 . 5

84 .6

83. 8

83.5

86.8

87.1

87.1

87.9

87.9

61

64

6.1

1001

2001

1001

01

# PERCENTAGE EREQUENCY OF OCCURRENCE OF CETAING VEHOUS VISIBILITY

STATION NUMBER: 042020 STATION NAME: THULF AB GL

AME: THULF AB GL PEPIOD OF PICORD: 77-RE MONTH: AUG. HOURS(LST): U300-0500

LEI	LING	• • • • • • • •	• • • • • •	• • • • • •		• • • • • •	•••••	VISIE	BILITY	IN STATU	TE MILE		• • • • • • •	• • • • • • •			
1		GE	GΣ	GE	۲ ن	GŁ	GE	GE	GE	GE	6E	ri E	6 t	GE	GF	CE	6E
	ET [	10	ь	5	4	3	2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	٥
• • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••		• • • • • •	
NO	CEIL I																
G.F	200001																
	180001																
	160001																
	140001																
61	150001																
6 F.	100001																
61	2000																
SE	80001																
GE	70001																
ijF	6000 l																
GE	South			54.4	55 • 5	56.0	56.0	56.1	56.1	56.1	c 6 . 4	54.4	56.6	57.3	57.4	90.7	58.8
G E	45001			55.7	56 .8	57.3	57.3	57.4	57.4	57.4	57.8	57.8	57.9	58.6	58.7	6D.D	66.2
6 F	40001			65.6	66 •2	66.7	66.7	66.8	66.8	66.8	67.1	67.1	67.2	68.0	68 - 1	69.5	69.7
6 E	3 c 0 0 i			70.3	71.5	72.1	72.1	12.2	72.2	12.2	72.6	72.5	72.1	73.5	73.6	75.0	75 - 1
6 E	10001			72.1	73.9	74.5	74.5	74.7	74.7	74.7	75 • 1	74.1	75.2	76.C	76.1	17.6	17.1
l. į	25001			75.1	76 .4	77.0	77.6	77.2	11.2	17.2	77.6	77.5	77.7	79.5	78.6	50.1	HU-2
6.0	20001			78.1	19.5	60.1	80.1	80.3	BO .6	80.6	1.19	81.1	81.2	82.0	82.1	83.6	43.7
C F	16001			7 A . 1	79.5	1.08	86.1	80.3	80.6	80.6	81.1	81.1	81.2	87.0	82.1	83.6	H 3 . 7
G.E	1500			19.0	8J •5	81.1	81.1	81.3	81.6	61.6	R2 • 1	87.1	A2.2	83.0	A 3 • 1	84.6	R4 . 7
G F	12001			79.6	41.1	81.8	81.8	82.0	82.2	82.2	92.8	82.A	87.9	83.6	93.7	45.3	A5.4
ωr	10001			80.1	81.8	62.5	R2.5	82.8	83.0	83.0	A3.5	83.5	83.6	84.4	84.5	85.0	A6.1
6 f	9001			60.1	A1 .6	82.6	82.6	82.9	83.1	83.1	83.6	8 . 6	A 3 . 7	84.5	84.6	86.1	P6.2
ig F	8001			30.€	82.2	83.1	83.2	83.4	83.6	63.6	84.2	84.2	84.3	85.0	85.2	86.7	Fb.b
6.0	7001			86.9	82 -5	83.5	83.6	84.0	84.2	84.2	84.7	84.7	94.8	85.6	95.7	87.2	F7.3
GF	600]		'	B1.8	83.4	84.4	84.5	85.0	85.3	85.3	#6.1	86.1	86.2	87.0	R7.1	48.6	RH.8
ы	5001			81.9	83.5	84.5	A4.6	85.2	85.4	85.4	A6.2	61.2	26.4	87.6	A7.7	99.2	P 4 . 5
ĿΕ	1000			82.5	84.0	85.0	45.2	85.8	86.0	46.N	P6.9	86.9	87.6	88.2	RR. 3	90.0	90.1
GF	300 [			83.f	85 .5	86.7	86.9	87.6	87.8	87.8	88.8	HP.9	A 4 . 9	30.4	6.66	93.4	94.1
G F	2001			84.(	85 .6	86.3	87.6	87.9	88.4	88.5	89.8	<b>3</b> ₽•u	90.1	92.1	93.0	96.0	96.9
6 f	1001			84.(	85 · b	86.3	87.U	87.9	88.4	88.5	P9.8	90.1	30.5	92.6	93.6	97.5	99.9
6, 5	n j			84.1.	95 .6	86.8	87.4	87.9	88.4	88.5	#9.8	90.1	90.2	92.6	23.6	97.5	100.0
• • •																	

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VIKSUS VISIBILITY FROM HOUPLY OBSERVATIONS

STATION NU											MONTH		HOURS	(LST):		co
EILING	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •					IN STATE			• • • • • • •		• • • • • • •	• • • • • •	• • • • • • • • •
	6E 10	6 E	6 E 5	G E 4		GF 2 1/2	G E	G F 1 1/2	GE 1 1/4	GE 1	6E 374	G E 5 / B	Gξ 1/2	GE ¢/16	GE 1/4	GE O
o CEIL I																
1 200001																
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																
.E 14000																
i iscoul																
i iunoo i																
, E 90001 J 00008																
10001																
it than!																
i snanj			55.4	56.3	56.4	56.4	56.6	57.1	57.1	57.5	57.5	57.5	58 • C	58.0	5 R . 4	1.8 . 6
45001			57	57.4	57.5	57.5	57.6	58 + 2	58.2	58.6	58.6	58.6	59.0	59.3	59.5	59.7
it 4000∤ it 35001			64.7 70.7	65 • 2 71 • 3	65.5 71.8	65.5 71.6	65.7 71.9	66 • 2 7 2 • 5	66.2 12.5	66.6 72.9	66+6 72+9	66.6 72.9	67.1	67 • 1 73 • 3	67.5 73.8	67.8 74.1
- 3500 f			73.4	75.9	74.4	74.4	74.6	75.2	75.2	75.6	75.6	75.6	76.1	76.1	76.5	76.8
35 2500 F			74.5	75.2	15.1	75.8	76.1	76.6	76.6	77.0	77.0	77.0	77.5	77.5	77.9	76.2
7 200 <b>01</b>			77.1	77.0	79.3	78 . 4	78.7	79.2	79.2	79.6	79.6	79.6	80.1	9U.1	HD . 6	HL.9
ะ: เดือบไ			77.	77.9	7 R . 4	76.5	78.8	79.3	79.3	79.7	79.7	79.7	87.2	PU . 2	80.7	#1.U
15301			19.2	79.8	80.7	80.B	81.0	81.7	81.7	A2.1	82.1	92.1	82.7	A2.7	63.2	8 3 • 5
,1 1200 F			79.€	80.3	81.1	81.3	81.5	82.1	82.1	82.6	82.6	82.6	83.1	A3.1	83.6	84.0
/F 10001			80 . C.	80.9	81.8	91.9	82.3	83.0	83.0	83.4	83.4	83.4	84.0	84.0	84.5	84.8
1 503			40.4	81.4	87.2	82.3	82.8	A 3 . 4	83.4	83.9	87.9	83.9	84.4	R4 , 4	84.9	F5.3
ann)			87.7	81.7	82.6	82.1	83.1	83.7	83.7	A4.3	84.3	94.3	84.8 85.5	84.8	85.4	P5.7
			81.1 81.4	62 • 1 82 • 8	83.0 83.6	83.1 83.7	83.5 84.2	84 • 4 85 • 4	84.4 85.5	84.9 86.0	84.9 86.0	84.9 86.0	86.6	85.5 46.6	87.1	86.3
, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,,,,,	52.0	03.0	3311	04.2	93.4	5,.,	70.0	0 ( • 1)	,0.0	40.0		0,	
1007			81.9	82.9	83.7	94.0	84.4	85.7	86.1	86.7	86.9	86.9	87.9	87.8	88.3	P8.6
f 4001			87 - 3	H3.3	84.4	94.5	84.9	86.2	86.7	A7.2	97.4	A7.4	88.6	88.8	89.7	90.2
of 3001			55.1	84 .2	85.5	85.6	1.38	87.5	88.0	88.8	89.1	89.1	90.9	71.1	92.4	93.3 97.2
E 206] E 100}			H 3 ⋅ € H 3 ⋅ E	84 . 7 84 . 7	86.:) 86.1	96.2	86.8 86.9	88.6 88.7	69.2 89.3	90.1 90.2	90.A 90.9	90.8 90.9	92.7 93.2	93.3	97.1	97.2
. 1001				34.1		J. C. + Z			0 7 . 3	70.2	, .,	70.7	,,			
JE 21			93.4	84 . 7	86.1	86.2	86.9	A8.7	89.3	90.2	90.9	90.9	93.3	93.8	97.2	100.0

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIHILITY FROM HOUPLY OBSERVATIONS

					N NAME:							MONTH		HOURS	(LST):		υu
FILIN		• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •
IN FEET	1	6E 10	GE 6	GE 5	G F 4		GE 2 1/2	2 E	GE 1 1/2	GE	GE 1	GE 3/4	GF 5/8	6£ 1/2	GF 5/16	GE 1/4	٠٤ ن
O CET																	
F 200	001																
E 180																	
∍E 160 ∍E 140																	
F 120	•																
F 100	001																
	uni																
	មហ្គ																
	001																
1 6L	001																
	oo t			58.3	58 .6	59.0	59.0	59.1	59.8	59.8	60.3	67.4	60.4	63.6	60.6	60.7	66.9
	00   00			59.5 67.2	59.9	60.3	60.3	60.4	61.1	61.1	61.6	61.7	61.7	62.0	62 • U	62.1	62
	100			73.2	67.5 73.6	68.0 74.0	68.0 74.0	68.1 74.1	68.8 74.8	68.A 74.8	69.3 75.3	60.4 74.4	69.4 75.4	69.6 75.7	69.6 75.7	69.7 75.8	69.8 75.9
	וסט			76.5	77.4	77.9	77.9	78.0	78.6	78.6	79.2	79.3	77.3	79.5	79.5	79.6	79.7
ir 25,	J0 I			78.4	78.9	79.5	79.6	79.8									
	001			80.6	A1 .1	81.9	82.0	82.2	90.5 92.9	80.5 82.9	81.0 83.4	81.1 87.6	81.1 83.6	81.4 83.8	81.4 83.8	81.5 83.9	81.6 84.U
f 180	001			80.9	P1.6	82.3	82.5	82.7	93.3	83.3	A 3 . 9	84.0	84.0	84.2	84.2	64.3	F4.4
	00 l			82.6	P 2 . B	83.6	A3.7	83.9	84.5	84.5	85. i	85.2	85.2	85.4	95.4	85.5	85.6
of 12:	201			82.5	83.2	84.0	84.1	84.5	85.2	85.2	A5.7	Br.9	85.9	86.1	P6.1	86 • Z	P6.3
E 101	un I			63.3	84 - 1	85 · i	95.2	85.7	86.5	86.6	87.4	87.3	87.3	87.5	97.5	87.6	87.7
	uni			8:.6	84.3	85.3	85.4	86.0	86.7	86.A	87.4	87.5	87.5	87.7	R7.7	87.8	P7.9
	JU I			84.6	85.4	86.4	86.5	87.1	88.0	o B • 2	AR.7	8 P . 4	88.8	89.0	89.0	89.1	A4.3
	on I on I			85.2 85.5	86 .0 86 .3	87.0 87.3	87.1 97.4	87.6 88.2	88.7 89.4	68.A 69.5	89.4 90.0	87.5 90.1	90.1	89.7 90.4	89.7 90.4	89.8 90.5	89.9 96.6
"	001				.,0 .5	J	,,,,	00.0	77.4	07.7	+0.0	70.1	70.1	74.4	7U • 4	711.03	70.0
	oc į			86.U	96 . 7	67.7	86.6	88.8	90,4	¥0.7	91.2	91.4	91.4	97.1	92.1	32.2	92.3
	ו מט			86.7	87.5	68.5	88.8	89.6	91.1	91.4	92.6	92.4	92.4	93.9	93.8	94.0	94.1
	00 ( 00 (			86.F 87.0	87.8 87.9	88.9 89.0	39.3 89.4	90 • 4 90 • 7	91.9 92.5	92.3 93.0	93.6 94.0	91.4 94.6	93.4 94.6	94.9 96.8	95.0	95.9 98.6	96.2 98.9
	บกไ			87	88 .2	89.4	89.7	91.0	92.9	93.1	94.3	94.6 95.D	95 U	96.H	97.5	99.3	100.0
										,		. •					
, [	n (			67.2	88	67.4	89.7	91.0	92.9	93.3	94. !	95.0	25.11	97.4	97.5	99.3	100.0

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

				F AR GL					MONTH		HOURS	ILSTI:		
FLET   10	3E GE	5 E 4	GE 3	GE 2 1/2	5 GF A1211	9 1 1 / 2 G E 1 1 / 2	IN STATE GE 1 1/4	ITE MILI GE 1	ES GE 7/4	G1 5/8	GE 1/2	GE 5/16	6E 1/4	6 E
O CEIL	• • • • • • • •	******			• • • • • •		• • • • • • •	• • • • • •		• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •
o cere i														
20000														
E 18000  E 16000														
* 14000‡														
E 120001														
E 150001														
E 90001														
i anoni														
F 70001														
t ecopt														
i 50001	69.	b 61.2	61.4	61.4	61.7	61.9	61.9	62.3	62.1	12.7	63.4	F B	61.0	63.3
r 45un	61.		62.5	62.5	62.A	63.0	63.C	65.3	67.4	63.6	63.9	61.9	54 - 1	14.4
1 40001	68.		68.7	68.7	69.0	69.3	69.3	6,9 . L	10.0	70.5	77.1	70 - 1	10.4	70.7
1 3500)	74.		74.5	74.5	74.8	75.1	75.1	75.4	11.5	75.8	75.9	75.4	76 • 1	76.5
F 3000 L	78.	t 79 . U	79.2	19.2	79.6	79.9	19.9	80.2	AC.t.	60.6	80.7	80.7	8 I • (1	F 1 . 3
r 25un‡	87.	9 81.3	81.5	61.7	82.2	82.4	82.4	82.7	B *	P 3	83.3	A3.3	81.5	P3.6
E 2000	83.		84.8	85.0	85.4	85.9	85.9	86.2	81.7	F6.7	A6.9	P6.8	87.0	R7.3
E 18001	83.		84.8	65.0	85.4	85.9	85.9	96.2	01.1	86.1	85.8	P6.8	87.0	67.5
F 1500  F 1200}	84.		85.6	85.6	86.2	R6.1	86.7 87.6	87.U 88.0	97.4 89.4	97.4 78.4	87.5 88.5	97.5 88.5	87.7	P 6 • 1
F 1200}	85.	7 86 • 2	86.5	86.8	87.2	87.6	87.6	88.U	84.4	4	44.5	48.5	84.7	P9.1
10001	86.	5 87.1	67.4	97.6	88.1	88.6	88.6	88.9	A 0 . 4	47.4	89.5	89.5	69.7	96.0
E 900‡	86.	9 87.4	87.7	86.1	88.5	89.1	69.1	29.4	н°. а	89.4	89.9	9,9	90.2	90.5
f Pu0[	87.		88.0	88.3	68.7	89.3	09.3	R9.6	90,0	90.3	vn	00.45	90.4	95.7
7001	87.		88.5	98 • 6	89.3	89.8	89.8	90.2	90.6	93.6	90.7	96.7	90.9	91.2
r cont	87.	9 88.4	88.8	89.2	89.7	90.4	90.4	90.7	91.1	91.1	91.2	91.2	91.5	41.8
r 500 <b>1</b>	88.	B 89.6	90.N	20.4	90.9	91.6	91.7	92.0	97.5	92.5	93.0	93.0	93.2	43.5
F 400	89.		90.5	90.6	91.4	92.3	92.5	92.8	97.5	93.5	94.2	94.2	94.5	94.9
E 3001	89.		91.1	91.5	92.1	93.4	93.5	04.1	95.1	95 - 7	95.8	95.8	96.3	96.6
1 200  1 100	89. 89.		91.6 91.8	92.0	92.9 93.1	94.5	94.4 94.6	95.4 95.6	96.5 96.7	76.6 96.8	98.1 98.4	98.2 98.6	1.00	99.5
1 1001	07.	v 40.4	71 . "	92.2	73.1	94.5	74.0	43.0	40.7	40.8	70.4	70.0	****	77.9

### PERCENTASE FREQUENCY OF OCCURPENCE OF CFILING VIRSUS VISIBILITY FROM HOURLY OBSERVATIONS

	NUMBER:										MONTH		HOURS	ILSTI:		
EILING	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • • •			IN STATE			• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •
IN FLET	GE   10	6E 6	GE 5	5 E 4		GE 2 1/2	G E	G E 1 1/2	GE 1 1/4	GE 1	GE 3/4	G E 5/8	GE 1/2	GE 5/16	GE 174	<b>6 F</b>
O CETL										• • • • • • •	•••••	••••		• • • • • • •	• • • • • •	•••••
20000	1															
E 18000																
F 16000																
E 14000 F 12000																
12100	•															
F 10000	1															
t annu																
1 8000 1 7000																
f 6000	•															
	•															
F 5000			58.5	58.6	58.7	58.7	59.1	59.2	59.2	59.4	59.5	59.6	59.9	50.1	<b>δ</b> 0•1	6L.1
F 4500 F 4000			60.2 65.3	60.3 65.4	60.4 65.5	66.4 65.5	60.7 65.8	60.8 65.9	60.8 65.9	61.1	61.2	61.3	61.5	51.7	61.7	£1.7
E 3500			74.7	74 •8	74.9	74.9	75.2	75.3	75.3	66.2 75.6	66+3 75+7	56.4 75.8	66.6 16.3	46.8 76.2	66.8 76.2	66.8 76.2
£ 3000			78.0	78.3	78.4	78.4	78.8	79.0	79.0	79.2	79.3	79.4	79.6	79.9	H∩.D	4 L • U
F 2500 1 2000			80.3 82.9	83.4 83.1	80.º 83.5	80.8 83.5	81.1 84.0	81.3 84.2	81.3 84.2	91.5 84.4	81.6 84.5	61.7 84.6	გჳ.ი გყ.გ	92.2 85.1	87.3 85.2	82.3 85.2
. 18UN			82.9	83.1	83.5	83.5	54.1	84.3	64.3	R4.5	84.6	84.7	85.9	85.2	85.3	55.3
F 1500	ı İ		83.5	83.7	84.2	84.2	84.7	85.0	85.0	85.2	85.3	95.4	85.6	95.6	46.0	PL.U
1.200	1		84.C	84.2	E4.6	84.6	85.3	85.5	65.5	95.7	8.4	86.0	86.3	86.5	86.6	F6.6
E 1000	.1		85.,	95.4	65. A	96.U	86.7	87.1	87.1	F7.6	87.7	67.8	88.2	26.4	89.5	F8.5
900			85.4	85 • 6	86.1	96.2	86.9	87.4	87.4	97.9	60.1	88.2	88.5	88.7	58.9	86.8
e eun	ų.		85.6	86 .2	86.6	36.7	87.5	87.9	67.9	88.5	80.6	R8 . 7	89.2	89.4	89.5	89.5
£ 709	•		86.2	96 .0	67.1	97.2	87.9	88.4	88.4	88.9	59.0	89.2	89.6	9.6	69.9	85.9
E 600	1		H6.1	87.3	P7.7	87.8	84.7	89.3	89.3	89.4	90.0	90.2	90.6	90.8	åu.¢	66.0
1 500	11		47.4	87.9	86.4	88.5	67.4	89.9	67.9	90.6	91.7	20.8	91.6	71.8	41.9	91.9
F 400			B7.6	88 .2	88.7	88.8	89.7	90.7	90.8	71.5	92.0	92.1	93.3	93.5	93.6	93.6
1 300	1		88.6	89.2	30.5	96.5	91.5	92.5	92.6	93.4	94.4	94.5	95.9	96.1	¥6.3	96.3
E 200			88.9	87.6	90.3	91.0	92.1	93.1	93.4	94.7	95.7	95.8	98.1	98.3	79.1	94.1
.F 100	1 #		88.5	59.6	90.8	91.0	92.1	93.3	93.5	94.9	91.9	96 · C	98.5	96.8	79.8	106.0

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMP										MONTH	: AUG		(LST):	1800-20	
CFILING IN 1 G FEET 1	£ GE	GE 5	G (	GE 3	6E 2 1/2	V 1 S 1 E G E 2	6 F 1 1 / 2	IN STATI GE 1 1/4	UTF MILE GE 1	S GE 3/4	G f 5 / 8	GE 1/2	GE 4/16	6E 174	GF O
NO CEIL I	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • •	• • • • • • •	••••	• • • • • • •	•••••	• • • • • • •		• • • • • • •	• • • • • •		• • • • • •	
GE 20000  GE 180J0  GE 16000  GE 14600  GE 12000															
6E 100001															
GE 9000 I															
GE aGUO}															
GE 7000  GE 6000															
0.001															
oe scanj		58.5	58 .5	58.7	58.7	59.4	59.6	59.7	60.0	6r.n	60.0	60.6	60.6	60.6	€0.6
66 4509 <b> </b>		60.9	63.9	61.0	61.0	61.8	62.0	62.1	62.4	62.4	62.4	63.3	63.0	63.0	63.0
65 4000  68 3500		66.8 75.2	66 •8 75 •2	66.°	66.9 75.3	67.7	67.9	58.C 76.4	68.2 76.7	65.2 71.7	68.2 76.7	68.9 77.5	68.9 77.5	68.9 77.5	68.9 77.5
6		78.1	78 • 2	79.3	76.3	76 • 1 79 • 1	19.3	79.4	79.8	77.8	79.8	80.5	40.5	80.5	P6.5
					, , ,	.,						00.		0,743	
51 250MT		87.2	80.3	80.4	PD.4	81.5	81.7	81.8	82.2	87.2	92.2	82.9	R2.9	87.9	A 2 . 9
6E 20001		81.6	91.7	P 1 . 8	81.8	87.9	83.1	o 3 · 2	P3.6	8 3 . 6	93.6	84.3	A4.3	A4.3	84.3
6f 1800		81.6	A1 .7	81.8	81.6	82.9	63.1	<b>83.2</b>	P3.6	87.6	83.5	84.3	P4.3	84.3	F4.3
6F 1560		81.9	82.0	82.2	82.3	83.4	83.6	83.7	R4 . ()	84.0	84.G	84.8	A4 . 8	H4 • B	84.8
6f 12u0		47.9	83.U	83.4	93.5	84.5	84.6	84.9	85.2	b5 • 2	95.2	86.1	86.1	36.1	ap.1
or Loubl		81.9	54.0	84.3	64.4	85.6	86 - 1	86.2	87.1	87.1	87.1	87.9	P7.9	87.9	87.4
GF 9071		84.2	94.3	84.7	84.8	86.0	86.4	86.5	97.4	87.4	87.4	89.2	98.2	68.2	66.2
of Bunj		84.7	84 . 8	85.1	AS.Z	86.4	86.8	86.9	P7.6	87.9	87.8	88.A	A8.8	68.8	PB.6
66 7001		84.7	84.7	65.2	R5.4	86.6	87.1	67.2	P8 . G	80.0	98.0	89.0	69.0	89.0	99.0
01 6031		35.4	A5 .6	86 • 2	86.4	67.7	88.1	68.2	A9.1	5° • 1	89.I	90.3	90.3	90.3	96.3
or 5001		86.6	86 .8	87.5	87.7	89.0	89.4	89.6	90.4	91.6	90.6	92.7	92.1	97.7	22.7
68 400		86.9	97.5	87.9	88.1	89.6	90.2	90.3	91.4	91.6	91.6	93.7	93.8	31.8	93.8
GF 3001		87.7	PB • 1	68.8	89.0	90.4	91.1	91.3	92.4	97.9	92.9	95.3	95.3	95.5	95.5
51 2001		88 - 1	88 - 7	67.4	99.7	91.2	91.8	92.1	93.3	91.7	93.9	97.1	91.2	98.9	98.9
6F 1001		88.	99.8	89.6	89.8	91.3	91.9	92.2	93.4	94.0	94 (	97.6	77.7	99.8	99.8
6E 01		88.2	88.8	87.6	89.6	91.3	91.9	92.2	93.6	94	24.2	97.5	27.7	190.0	100.0

# PERCENTAGE FREQUENCY OF OCCUMPENCE OF CFILING VERSUS VISIPILITY FROM HOURLY OBSERVATIONS

STATION NUMPER: 042020 STATION NAME: THULF AH GL

STA	TION NU	MPER: 042	020	STATIO	. NAME:	THULF	ልዞ ሪር					PEPIDO	OF RECO		∙8 <i>6</i> (LST1: 4	2160-23	
																	• • • • • • • • • • • • •
	LING N I	GE (	ŧ	G E.	3 F	GE	G.E.	OE VISIP	GF	IN STATU GE	ITE MILE GE	S GE	51	GE	GF	G.E	υE
	LT I	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/6	1/2	5/16	1/4	C
		• • • • • • • • • • • • • • • • • • • •	• • • • •	• • • • • •	• • • • • • •	• • • • • •			••••					•••••			
40	CEIL																
	100005																
	18500  16500																
6.	140001																
(, f	126001																
	137001																
(, f	9.501 81-001																
6!	ract																
i, [	60001																
G.F	50001			54.5	55.3	55.7	54.7	56.4	56.5	56.5	56.6	56.4	57.0	57.3	57.4	5.7.4	17.4
l F	45007			57.5	57.9	58.4	58.4	59.1	59 -2	59.2	10.5	59.5	59.E 66.6	59.9 66.9	69.0 67.0	60.0 67.0	6
og f	46361 35301			64.3 70.4	64.5 73.9	65.3 71.4	65.3 71.4	66.U 72.1	66 •1 72 •2	66•1 72•2	66+4 72+5	12.5	72.6	73.D	73.1	13.1	67.3 73.1
6)	31°0 n j			74.€	15.3	15.9	75.9	76.5	76.7	16.7	77.0	77.0	17.	17.5	77.6	77.1	11.6
٠, ١	25 un 1			76.⊬	77.3	78.0	78.0	79.4	79.5	19.5	79.9	70.4	79.9	89.2	PQ.4	80.4	ë <b>4</b>
6 f	50001			74 - 1	76 .6	79.4	79.4	a0.7	80.8	8.0.8	81.1	81.1	91.2	81.6	R1.7	61.7	P1.7
ij.F ij.f	15 JP   15 JP			79.1 76.9	78 .u 79 .u	79.4 63.1	75.4 80.1	80 • 7 81 • 5	80.8 81.6	80.8 81.6	81.1 91.9	81.1	61.2 62.1	81.6 82.6	91.7 92.7	41.7 22.7	F1.7
i, r	12001			79.9	83.4	F1.2	81.2	82.6	P 2 • 7	B 2 . 7	A3.0	87.0	P 3	H 3 . 7	P 3 . B	8 t . a	# 5 . F
ų.	ir un l			61. €	91 -2	62.2	92.2	83.7	83.8	83.P	94.4	80.4	84.7	45.2	A5.3	H5.3	٤٠.3
o F	3001			61.1	31.6	82.6	82.0	84.0	84.1	64.1	94.4	84.9	A5.0	85.5	A 5 . 7	55.7	F 5 . 7
6.	8.01			41.5	92.2	83.2	93.2	84.7	84.8	84 . P	P5.4	6 . 4	A5.7	95.P	P6+9	26.0	At
G.F.	7 on ( E 0 0 i			81.F	82.2 93.1	83./ 84.3	33.4 84.5	84.9 86.2	85.0 86.3	85. <i>n</i> 86.3	95.7 97.0	8'.7 87.	85.9 87.,	87.7 89.0	87.1 89.1	57.1 89.1	⊬7.1 ey.1
	,,,,				· · ·	04.	.,,,,	00.0		0013							,
51	2001			83.4	A 5 . 9	85.1	R5 . 3	87.0	A7.1	67.1	P7.7	87.7	8 R . 1	90.5	01.6	40.6	9 c. • 6
,, (	4 J n   7 J n			85.8 94.:	P4 . Z P4 . Z	85.5	85.6	87.4 88.2	87.5	87.5 88.3	98.2 99.1	89.3 84.2	89.5 89.4	90.9	21.1	41.5	91.5
iş t	7501			94 64. (	я <b>ч.</b> г	86.4	96.4 96.9	89.C	88.3 89.5	89.5	90.5	90.6	70.Y	92.6	95.4	97.7 98.0	98.0
3,6	1001			84.3	85 .0	86.5	87.U	86.1	89.7	89.7	90.7	90.9	21.2	24.8	95.7	90.3	116.6
G I	21			84.3	85 •U	86.5	87.G	89.1	89.7	89.7	20.7	91.4	91.2	94 . A	25.7	นก. ใ	100.0
.,,	•			J • • J		,.		., , , ,	9741	0	***	•	. 1 . 4		.,.,	, ,	

THIAL NUMBER OF OPSERVATIONS: 9UE

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

AIR WEATHER SERVICE/MAC STATION NUMBER: C42020 STATION NAME: THULF AB GL PERIOD OF RECORD: 77-86 MONTH: AUG HOURS(LST): ALL VISIPILITY IN STATUTE MILES GE GE GE GE Z 1 1/2 1 1/4 1 CEILING GE GE 3 2 1/2 GE IN | GE FEET | 10 1 3/4 5/8 1/2 5/16 1/4 0 NO CETE I GE 200001 GE 18000 GE 16000 6E 14000 GE 12000 GF 90001 80001 GF 7000 6 E 60001 57.0 58.7 66.0 56.7 58.4 65.6 57.4 59.1 66.4 73.1 57.7 59.4 66.8 58.0 59.7 67.1 58.0 59.7 67.1 73.7 58.4 60.1 67.4 58.5 60.2 67.5 59.5 60.2 67.5 58.9 60.6 67.9 58.9 60.6 68.0 59.3 61.0 68.4 59.4 61.1 68.5 G.F 50001 40001 66.4 U.F 3500 72.6 73.1 ĞΕ 3000 77.9 78.3 78.9 2500 l 2000 l 80.2 82.7 GE 77.7 78.8 78.9 79.7 79.7 80.1 80.2 89.6 RG . 7 81.1 81.2 82.2 P2.6 B2.7 GF 80.0 81.3 81.3 81.3 81.8 82 • 2 82 • 3 83.1 83.2 23.2 83.6 83.7 83.8 80.6 87.8 υE 1800 80.1 80.7 81.4 81.9 82.3 R2.7 82.8 83.3 83.8 G F 15001 51.1 81.7 62.4 82.5 83.0 83.4 83.4 93.8 84.G 84.4 84.4 84.9 25.0 81.7 C E 10001 82.5 83.2 84.0 34.1 84.8 85.2 A5.8 85.9 86.0 86.4 86.5 S F 900 I 82.8 83.2 83.5 83.9 84.3 84.6 84.4 85.D 85.5 85 • 5 86 • 0 85.5 86.1 85.6 86.2 86.7 86.2 86.8 86.7 86.8 87.2 87.8 A7.3 97.4 8001 98.0 7601 83.5 85.1 85.2 85.9 06.5 87.0 87.1 87.2 87.8 87.8 88.2 88.4 88.2 89.6 6001 84.2 84.9 85.9 86.0 86.8 87.5 87.5 88.1 88.3 89.0 49.0 5001 85.6 86.0 86.6 87.1 86.7 87.3 87.6 68.4 69.1 89.2 90.0 90.4 91.5 91.0 91.1 £. f 84.8 88.2 99.D 89.2 90.5 400) 88.9 90.1 3001 85.9 86 .6 88.0 88.2 89.2 90.0 90.2 91.0 91.4 92.7 91.5 93.2 93.4 94.5 97.7 94.8 2001 68.4 89.8 91.1 92.1 95.1 95.6 98.2 G.E. 87.1 90.9 86 . 2 88.6 93.0 GF. 1001 89.9 93.6 96.1 98.8 99.9 01 92.4 93.0 93.1 99.8

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

TATION NO											MONTH	: SEP		(LST1:		
EILING	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •
	3 D	6 E	5ε 5	G F 4	GE 3	6E 2 1/2	GE	GE 1 1/2	GE	ĢĒ	GE !/4	G E 5 / 6	GE 1/2	GE 5/16	GE 1/4	3 <i>0</i> 0
	• • • • • •	• • • • • •	• • • • • • •	• • • • • •		• • • • • •	• • • • • •	• • • • • • •	• • • • • •							
CETL 1																
200001																
18000(																
160001																
140001																
E 12000]																
100001																
90001																
10008																
10001 10001																
. reaa(																
50001			69.4	64.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	73.1	73.4	70.4	70.4	76.4
1 4500			71.C	71.4	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0
40001			19.8	80.2	80.3	80.3	80.9	BU.5	80.E	80.8	80.9	8D.8	81 - 1	P1 - 1	61.1	81.1
35001			85.0	85 .8	85.9	85.9	86.3	86.4	86.6	96.6	84.6	86.6	87.0	A7.U	87.0	87.0
30001			89.3	89.1	89.4	89.4	89.8	89.9	90.1	90.1	96.1	90.1	90.4	90.4	90.4	٠٠.4
E 25001			3.88	89.7	90.0	90.0	90.3	90.4	90.7	90.8	90.8	90.8	91.1	91.1	91.1	1.19
2000l			91.7	92.9	93.3	93.3	93.6	93.7	93.9	94.0	94.0	94.0	94.4	94.4	94.4	94.4
: IRONI			91.7	92.9	93.3	93.3	93.6	93.7	93.9	94.6	94.3	94.11	94.4	94.4	94.4	94.4
1500			91.8	93.0	93.7	93.7	94.2	94.5	94.5	94.6	94.6	94.6	94.9	94.9	94.9	94.9
12001			91.4	93.1	93.8	74.0	94.6	94.7	94.9	95.1	95.1	95.1	95.4	95.4	95.4	95.4
10001			92.2	93.6	94.6	94.8	95.4	95.6	95.8	75.4	96.4	96.4	96.9	76.9	96.9	96.9
9001			92.:	93.6	94.6	94.8	95.4	95.7	96.0	96.5	96.5	96.5	97.0	97.0	97.0	97.0
RUGI			92.2	93.6	94.6	04.8	95.4	95.7	96.0	96.6	46.6	26.6	97.1	97.1	97.1	97.1
7301			92.2	93.6	94.6	94.8	95.4	95.7	96.0	96.6	96.6	96.7	97.2	97.2	97.2	97.2
6011			92.7	94.0	95 • 1	95.3	95.8	96.2	96.4	01.1	97.1	97.2	97.A	97.8	97.8	97.8
5001			92.8	94.2	95.2	95.4	96.0	96.3	96.5	37.2	97.2	97.3	98.3	98.0	98.2	96.2
4001			92.B	94.5	95.3	95.5	96.1	96.5	76.7	97.4	97.4	97.5	98.5	98.5	98.8	98.6
3001			92.8	94.3	45.3	95.5	96.1	96.5	96.7	97.4	97.5	01.6	98.7	8.89	99.0	99.2
1005			92.6	94.3	95.3	95.5	96.1	96.6	96.9	97.8	97.9	98.U	99.0	99.1	30.3	99.6
1001			92.8	94.3	95.3	95.5	96.1	96.6	96.0	98.1	98.2	98.3	99.3	99.4	49.7	100.0
ព )			92.8	94.3	95.3	95.5	96.1	96.6	96.7	98.1	98.7	28.5	99.3	99.4	99.7	100.0

#### GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF RECORD: 77-86 MONTH: SEP HOURS(LST): 0300-0500 VISIBILITY IN STATUTE MILES GE 200001 GE 160001 GF 14000 6E 120001 GE 100001 80001 6 F 60001 69.9 72.6 79.2 85.0 70.9 73.0 80.3 70 • U 72 • 1 79 • 4 70.1 72.2 79.5 85.4 70.9 73.0 80.7 71.3 71.4 73.6 91.2 50001 70.5 72.7 70.9 73.0 70.9 73.0 70.9 73.0 70.9 73.0 71.5 71.8 GF 45001 80.7 86.7 90.0 40001 80.0 80.5 80.7 80.7 81.1 61.3 A1.6 35.001 85.3 86.1 86.4 86.6 86.7 86.7 86.7 87.2 R7.3 25001 90.9 6 F 84.8 89.3 90.0 90.6 90.8 90.9 90.9 90.9 91.3 91.6 91.9 89.1 93.1 93.3 94.7 93.1 93.3 94.7 GE 20001 18301 90.8 90.9 91 · 1 91 · 2 91.3 91.5 92.1 92.7 92.9 93.0 93.0 93.1 93.6 93.8 93.9 94.2 93.7 93.9 94.0 94.3 15001 91.9 92.€ 93.4 61 12001 91.7 93.0 94.7 96.1 96.2 96.4 93.5 93.5 93.5 93.5 G E G E 91.9 95.3 95.3 95.7 95.7 95.8 95.8 95.8 97.2 97.2 10001 92.6 94.5 96.4 96.4 96.4 96.9 97.1 97.4 92.6 2001 94.5 96.4 96.4 96.4 96.9 97.1 97.4 800 I 91.9 94.5 95.7 95.7 97.0 97.0 97.2 97.3 97.3 97.5 GE 92.6 95.3 96.4 96.4 SE 95.8 91.9 92.6 94.5 96.4 95.3 76.4 96.4 GF 6001

96.3

96.3 96.3

96.5

96.5

97.0 97.1 97.4

97.6

97.0 97.1

97.4

97.U 97.1

97.4

97.6 97.6 99.1

97.5

97.8 98.2

98.8

97.8

98.1 98.5

99.1

99.4

97.9

98.3

98.8

99. 1

99.8

99.8 100.0

98.1

98.5

99.0

99.6

TOTAL NUMBER OF OBSERVATIONS:

G F

C.F

G f

4001

3001

2001

0.1

92.9

92.9

92.9

92.9

92.9

93.R 93.R

93.8

94.8 94.8

94.8

72.2 92.9 93.8 94.8 95.8 96.3 96.5

95.6 95.6

95.8

95.8

96 • 1 96 • 1

96.3

96.3

92.2

92.2

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIPILITY FROM HOURLY OBSERVATIONS

S TA	TION NU	MRER:	042023	STATION	NAME:	THULE	AB GL					PERIOD MONTH	OF PECO		-86 (LST):	0600-08	00
CEI I FE	N I ET I	GE 10	GE 6	GE 5	ű E	GE 3	GE 2 1/2	S GE A1216	GE 1 1/2	IN STATU GE 1 1/4	UTE MILE GE 1	S GE 3/4	GE 5/8	SE 1/2	GE 5/16	GE 1/4	6E 0
• • •	• • • • • • •	• • • • •	• • • • • • • •	• • • • • • • • •	•••••	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • • • • • •
N O	CEIL																
GE	200001																
	180001																
	100001																
GE	140001																
GE	120001																
	100001																
	90001																
GE	10001																
o €	10001 10003																
υĘ	61.001																
CE	50001			71.3	71.3	71.4	71.4	71.6	72.1	72.1	72.2	72.4	72.4	12.7	72.7	72.9	73.2
GE	45001			72.3	72.3	72.4	72.4	72.6	73.1	73.1	73.2	73.4	73.4	73.8	73.8	73.9	74.2
60	40001			80.2	BC . Z	80.5	80.7	81.0	81.5	81.5	81.6	81.9	81.9	82.2	82.2	82.3	82.7
GE	35001				84.9	85.4	85.7	85.9	86.5	86.5	86.6	86.8	86.8	87.2	87.2	87.3	87.6
<b>€</b> E	30001			87.4	87.6	88.5	88.9	89.1	89.6	89.6	89.8	90.0	90.0	90.3	90.3	90.4	8.09
GE	25001			88.7	89.0	89.9	90.3	90.7	91.4	91.4	91.6	91.8	91.8	92.1	92.1	92.2	92.6
ĿΕ	20001			89.6	89.9	91.0	91.4	91.8	92.6	92.6	92.8	93.0	93.0	93.4	93.4	93.5	93.8
υF	1800			89.8	90.0	91.1	91.6	91.9	92.7	92.7	92.9	93.1	93.1	93.5	93.5	93.6	93.9
GE	1500 l				91 •2	92.5	92.9	93.4	94.1	94.1	94.4	94.6	94.6	94.9	94.9	95.0	95.4
G F	12001			91.3	91.7	92.9	93.4	93.8	94.6	94.6	94.9	95.2	95.2	95.5	95.5	95.6	95.9
G.F	10001			91.3	91.7	92.9	93.5	94.3	95.0	95.0	95.7	96.1	96.1	96.5	96.5	96.6	97.0
GΕ	9001			91.3	91.7	92.9	93.6	94.4	95.2	95.2	95.8	96.2	96.2	96.6	96.6	96.7	97.1
G E	1003				91.7	92.9	93.6	94.4	95.2	95.2	95.9	96.3	96.3	96.8	96.8	97.0	97.3
GE	700			91.3	91.7	92.9	93.6	94.4	95.4	95.4	96.2	96.5	96.5	97.1	97.1	97.2	97.5
(, F	6001			91.4	91.8	93.0	93.7	94.5	95.5	95.5	96.3	96.6	96.6	97.2	97.2	97.3	97.6
6 ք	5001			91.4	91.8	93.0	93.7	94.5	95.7	95.7	96.6	97.0	97.0	97.6	97.6	97.7	96.1
GF	4001				91.6	93.1	93.8	94.7	95.9	95.9	96.8	97.7	97.2	98 • 1	98.1	98.2	98.5
6.5	300 [			91.6	91.9	93.2	93.9	94.8	96.1	96.1	97.U	97.3	97.4	98.4	98.4	98.5	98.9
GF	2001			91.6	91.9	93.2	93.9	94.8	96.1	96.1	97.0	97.3	77.4	98.9	99.1	99.2	99.9
ĢΕ	1001			91.6	91.9	93.2	93.9	94.8	96.1	96.1	97.0	97.3	97.4	98.9	99.1	99.2	100.0
GE	01			91.6	91.9	93.2	93.9	94.8	96 . 1	96.1	97.0	97.3	97.4	98.9	99.1	99.2	100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 0900-1100 ILING VISIBILITY IN STATUTE MILLS CEILING GE GE 3 2 1/2 IN | GE FEET | 10 GE GE GE GE GE 2 1 1/2 1 1/4 1 3/4 GE GE GE 6 5 4 6E 174 1/2 5/16 ם 5/8 NO CEIL I GE 200001 GE 180001 6F 16000F 6F 120001 GE 10000 J GE 9000 J 6 F 80001 70601 G E 60001 74 .0 74 .2 81 .0 75.5 75.7 82.6 75.5 75.7 82.6 75.7 75.9 82.8 75.7 75.9 82.8 87.3 75.7 75.9 82.8 50001 74.9 75.1 82.0 75.0 75.3 82.1 75.5 75.7 82.6 76.0 82.9 73.9 76.0 92.9 76.0 82.9 76.U R2.9 L F 45001 80.7 GF 40001 97.5 GE 15001 85.1 85.5 86.6 87.1 87.1 87.1 87.3 87.3 87.5 87.5 A7.5 91.0 91.0 υĽ 3000 l 88.L 88.5 89.7 90.1 90.6 90.6 90.6 20.8 90.8 91.0 25001 G E 89.0 89.6 91 • 1 92 • 5 91.4 93.0 92.1 93.8 92 •2 94 •0 92.2 92.4 92.4 92.4 92.5 92.5 92.5 92.5 94.0 94.2 94.4 94.4 20001 90.3 91.0 94.2 94.2 94.6 92.7 94.4 93.3 94.7 94.1 94.7 GF 18001 90.6 91.3 94.6 94.7 15001 91.8 96.0 96.4 12001 92.0 94.6 95.0 95.9 96.2 96.4 96.6 96.6 96.6 96.7 96.7 97.4 97.5 97.5 97.6 GE 95.1 95.1 96 . 1 96 . 8 97.5 97.6 97.5 97.5 97.6 10001 92.6 92.9 94.5 97.1 97.4 97.5 97.4 97.5 97.5 97.5 97.6 9001 92.9 94.6 96.6 97.6 92.0 GE 8001 92.0 92.9 94.6 95.1 96.6 96.8 97.2 97.5 97.6 97.6 97.6 97.6 97.6 7001 92.6 95.1 97.7 97.7 υE 92.9 6001 92.9 95.1 96.8 92.0 92.1 92.3 95.4 95.7 95.9 5001 92.9 94.8 95.1 95.4 97.5 97.9 97.9 98.2 98.5 98.4 98.9 99.2 98.4 98.9 99.2 97.3 98.2 98.6 98.9 98.4 96.4 GE GE 98.2 97.6 97.9 98.2 98.4 98.6 98.9 98.9 98.9 4001 3001 G F 93.2 98 .1 98.8 99.0 GE 2001 93.2 95.9 97.9 98 .2 98.5 98.9 99.0 99.3 99.4 99.7 99.7 95.4 99.0 99.3 99.4 GF 1001 92.3 93.2 25.9 97.9 98.2 98.5 98.9 99.0 99.7 100.0 U.F 0.1 92.3 93.2 95.4 95.9 97.9 98.2 98.5 98.9 69.n 99.0 99.3 99.4 99.7 100.0

TOTAL NUMBER OF OBSERVATIONS:

985

GLOBAL CLIMATOLOGY BRANCH USAFETAC

### PERCENTAGE FREQUENCY OF CCCURPENCE OF CEILING VERSUS VISIRILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF PECORD: 77-86 MONTH: SEP HOURS(LST): 1200-1400 VISIBILITY IN STATUTE MILES CFILING IN | GE FEET | 10 GE GE GE GE 6 5 4 3 2 1/2 GF GE GF GE GE GE 2 1 1/2 1 1/4 1 3/0 GE GE 1/4 7/4 5/4 1/5 6/16 υ NO CEIL I 6E 200001 6.E 18000 i GE 160001 GE 14000 GF 120001 or incomi 90001 GE G.F 8000 76001 65 65 50001 71 •6 72 •2 80 •1 72.0 71.7 72.2 71.6 71.6 71.7 71.8 72.5 72.6 72.3 80.4 85.7 72.4 80.5 86.0 72.7 90.8 86.5 72.8 81.0 86.6 45001 71.9 72.2 72.2 72.3 72.8 81.0 73.2 73.2 /3.3 81.4 73.3 61.4 GΕ G E 3560 85.0 85.4 85.5 85.7 67.1 G.F 30:001 88. 4 90.0 90.0 90.2 90.8 90.9 90.9 91.3 97.7 94.1 6 E 6 E 2500 | 2600 | 90.6 91.5 91 •1 92 •0 91.5 92.5 91.6 92.7 91.8 93.1 91 •8 93 •1 92.0 93.3 92.5 94.0 92.7 93.0 94.4 93.1 94.5 93.1 94.5 93.0 94.4 G.E 18001 91.9 92.3 92.8 92.9 93.0 93.5 93.4 93.4 93.7 74.3 95.3 94.4 94.4 94.8 94.8 94.9 94.9 15001 95.9 95.5 G€ 1230 95.5 95.9 95.9 96.8 10001 92.9 92.9 92.9 93.5 93.5 93.5 95.1 95.3 95.7 95 • 2 95 • 4 95.5 96.0 96.3 96.2 96.7 97.6 96.3 6.5 92.4 93.7 96.9 96.9 97.2 97.6 97.4 97.4 92.4 95.8 97.8 97.6 1008 97.7 61 97.2 97.6 7001 92.4 92.9 93.5 93.7 95.7 95.8 46.3 97.0 97.2 91.6 97.7 97.R 97.8 97.3 98.1 GE 6001 92.5 93.2 94.0 96.0 96.1 16.7 98.0 98.1 5001 96.R 97.4 97.4 97.7 98.3 98.7 98.9 98.0 98.7 1. F 97.5 93.4 94.0 94.1 96.1 96.2 91.7 28.1 98.2 94.2 94.5 98.3 98.7 98.9 G E 93.7 94.7 4001 93.2 96.9 98.9 96.7 98.8 98.9 94.0 97.0 98.4 99.0 99.2 99.2 GE 3 no i 93.5 95.0 91.2 97.8 99.1 94.9 2001 99.3 € E 93.5 95.0 91.2 97.8 99.6 97.0 0.1 6 f 93.5 94.0 94.9 95.0 97.0 97.2 97.8 98.7 98.9 94.9 99.2 99.3 99.6 100.0

TOTAL NUMBER OF OBSERVATIONS:

848

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

TATION NUMBER:			-							MONTH	: SEP		ILSTI:		
CILING IN   GE FEET   10	GE 6	GE 5	ύ Ł 4	GE 3	GE 2 1/2	2 QF A1211	GE 1 1/2	IN STATI GE 1 1/4	JTE MILI GE 1	ES GE 374	G( 578	GE 1/2	Gξ 5/16	GE 174	G G
• • • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • •
O CEIL I															
SE 200001															
E 180001															
F 160001															
F 14000															
E 120001															
E 100001															
6 90001															
10078 33															
F 7000															
1 6000 F															
SE 50001		70.7	73.9	71.0	71.0	71.2	71.2	71.2	71.4	71.4	71.4	71.6	71.6	71.6	71.7
iE 4500)		72.5	12.7	72.8	72.8	73.0	73.0	73.0	73.3	73.3	73.3	73.4	73.4	73.4	73.5
,c 40001		79.€	79.2	79.9	79.9	80.2	80.2	80.2	80.7	8C.8	90.8	81.0	81.0	81.0	F1.2
E 3500		83.6	84.3	85.1	85.1	85.6	95.6	65.7	R6.2	86.3	86.3	86.6	96.6	86.6	86.7
E 3000		87.4	AB . D	88.8	98.8	89.4	89.4	89.5	90.1	90.2	90.2	97.4	90.4	40.4	95.5
E 25001		89.1	99.8	99.6	90.6	91.2	91.2	91.3	91.9	97.0	92.0	92.2	35.2	92.2	92.3
E 2000		90.4	91.3	92.2	92.2	92.8	92.9	93.1	93.8	94.0	94.6	94.2	94.2	94.7	44.4
E 1800		90.4	91.3	92.7	92.2	92.8	92.9	93.1	93.8	94.0	94.0	94.2	94.2	94.2	94.4
F 1500		90.5	91 .4	92.1	92.6	93.3	93.5	93.7	94.4	94.6	94.6	94.B	94.8	94.8	24.9
5 12001		90.5	91.4	92.4	32.7	93.5	95.7	95.9	94,6	94.9	94.8	95+0	25.0	8 c * U	95.1
r 10001		91.1	92.1	93.1	23.3	94.5	94.7	94.9	95.7	95.9	95.9	96.2	96.2	96.2	96.5
1 9001		91.2	92.2	93.2	93.5	94.6	94.8	95.0	95.5	96.7	95.U	96.3	96.3	96.3	96.4
1 8001		91.2	92.2	93.2	33.6	94.8	95.5	95.6	96.4	96.8	96.8	97.1	97.1	97.1	91.2
SE 7001		91.2	92 • 2	93.3	93.7	95.0	95.5	95.8	96.6	97.1	97.1	97.3	97.3	97.3	97.4
1 6001		91.5	92.6	93.7	24.0	95.4	95 •8	96.2	97.0	97.4	97.4	97.6	97.6	97.6	01.1
E SUEL		91.5	92.6	93.7	94.0	95.4	95.9	46.5	97.3	97.7	97.7	98.1	98.1	98.1	96.2
F 4001		91.6	92.7	93.8	94.1	95.5	96.2	96.7	97.6	98.1	98.1	98.5	98.5	98.5	96.6
F 3601		91.4	92.9	94.0	94.4	95.7	96.4	97.0	97.9	90.3	98.3	98.8	98.9	46.4	69.1
F 2001		91.9	92.4	94.6	74.4	95.7	96.6	97.2	78.4	94.9	98.9	99.3	79.4	99.4	99.1
if 100 l		91.9	92.9	94.0	94.4	95 • 7	96.6	97.2	98.4	90.9	98.9	99.3	99.5	40.5	100.0
		01.0	02.0	94 . n	24.4	95.7	96.4	47.3	4 80	97 0	98 9	99.1	99.5	99.4	100.0
if at		91.9	92.9	94.0	74.4	95.7	96.6	47.2	98.4	97,9	98.9	99.3	99.5		

GLOUAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREGUENCY OF OCCURRENCE OF CETLING VERSUS VISIPILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL PEPIOD OF PECOPD: 17-86 MONTH: SEP HOURS(LST): 1800-2000 CEILING VISIBILITY IN STATUTE MILLS VISIBILITY IN STATUTE MILLS

GE GE GE GE GE GE GE GE GE GE GE

6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 7/4 5/6 1/2 5/16 GE 1/4 NO CETE 1 GE 200001 GE 180001 er repout GE 14000 61 120001 100001 [, t 90001 GΕ 80001 1000 G.E. 60001 70.7 71.9 79.4 85.6 69.9 71.6 79.0 84.9 70.3 72.0 79.8 95.7 GE Scool 67.6 69.6 69.A 69.8 71.5 69.8 71.5 69.8 71.5 70.3 70.1 711.2 70.5 70.5 71.9 79.4 85.2 4500 71.8 72.2 79.9 72.2 79.9 6 E 40001 78.4 78 • 5 84 • 2 78.9 84.7 78.9 84.7 78.9 78.9 84.8 79.3 85.1 79.8 85.7 84.6 84.7 85.8 35001 69.6 89.0 UE 35001 87.6 47.2 90.2 G.E 25001 20001 88.6 90.8 99.1 91.0 89.9 89.9 92.0 90.0 92.1 92.1 93.0 90.1 90.2 90.5 90.6 92.8 90.8 91.2 91.2 91.3 91.3 92.2 92.3 97.8 93.7 91.7 10001 90.8 91.0 91.8 92.0 92.3 97.7 92.9 93.3 93.3 93.5 93.5 93.2 15001 92.4 93.6 94.3 1, 4 91.1 91.3 92.2 93.1 93.6 94.3 94.4 94.4 12001 94.3 92.9 93.0 93.2 95.6 95.7 10001 91.3 91.3 93.7 93.8 93.9 94.1 94.3 94.6 94.8 95.4 94.9 94.9 95.5 94.9 95.5 95.5 45.6 45.7 i, i 91.5 92.8 95.6 9001 95.6 93.0 AUC 91.5 91.4 94.0 94.4 95.6 96.2 96.3 **(, )** 96.3 6.5 6.5 7001 93.4 93.3 94.1 94.5 94.7 95.5 95.6 95.7 96.3 96.3 96,4 6401 91.8 93.3 94.1 93.0 94.5 94.7 95.6 95.8 96.6 96.6 46.1 96.7 5001 95.0 96.4 96.3 96.8 97.4 96.5 97.0 97.0 G. ₽ 91.7 91.9 93.1 93.5 74.3 94.6 26.3 97.3 97.3 97.4 97.4 95.5 95.5 95.6 92.1 92.5 93.6 93.9 94.7 400 J 95.0 76.7 96.7 97.9 97.9 98.0 96 . U 98.2 98.5 1. 5 98.1 2001 92.3 93.6 93,9 94.7 95.2 07.3 97.5 99.0 99.0 99.3 92.1 G.F 1001 72.3 93.6 73.9 47.4 99.0 99.3 99.9 99.4 100.0

TOTAL NUMBER OF OPSERVATIONS:

72.4

93.7

24.0

94.8

95.3

95.7

97.4

97.5

97.6

99.1

99.1

(, =

01

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL PERIOD OF FECORD: 77-86 MONTH: SEP HOURS(LST): 2130-23CD

CEILING	••••••	• • • • • • • • • •	• • • • • • • • •	AIZIV	11 1 TY 1	IN STATI	TF MILE		• • • • • • •	•••••	• • • • • •	• • • • • •	
IN   GE	GE GE	G E GI		GE	GE	GE	G€	GE	GE	GΕ	GE	GE	6 E
FEET   10	6 5	4	3 2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	U
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •		• • • • • •	• • • • • •	• • • • • •	
NO CEIL													
GE 200001													
GF 18000													
er 1900u i													
GE 14800													
PC 15000													
66 160001													
6E 9000													
6E 8000													
SE 7000													
CE COUD!													
UE 5000	69.6	69 .6 69		69.8	70 - 1	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.6
6E 4500!	71.0	71.0 71		71.1	71.5	71.5	71 - 7	71.A	71.8	71.8	71.8	71.8	71.9
GE 40001 GE 35001	80 • C 84 • 7	80.0 80 84.7 84		80 • 1 84 • 8	80.7 85.5	80.7 85.5	81.U 85.7	81.1 85.8	81.1 85.8	81.1 85.8	91.1 95.8	61.1 65.8	H1.2 H6.0
6E 3000	88.1	58.0 88		88.2	88.9	88.9	89.1	89.2	89.2	89.2	89.2	69.2	89.4
5. 5. 5. i	3340	,,,,,	,,,,,,,	O	.,							• ••	
UE 25001	88.7	88.7 88	. 9 88.9	88.9	89.6	89.6	89.8	87.9	89.9	89.9	89.9	49.9	95.0
6F 20001	90.7	90.7 90		91.3	92.1	92.1	92.4	92.5	92.5	92.5	92.5	92.5	92.6
GE 1800	90.7	93.7 90	9 91.2	91.3	92.1	72.1	92.4	9.7.4	92.5	92.5	92.5	92.5	92.6
GE 1500	90.9	93.9 91		91.7	92.5	92.5	92.9	9 4 ° U	93.0	93.0	93.0	53.0	93.1
GE 1200	90.9	70.9 91	. 2 91.4	91.7	92.5	92.5	92.9	93.0	93.0	93.0	93.0	93.0	93.1
es renal								04. 1	0 4 7	0.0. 7	0 7	0.4. 3	0.5
6E 1000  6E 200	91.i 91.i	91.1 91 91.1 91		92.4 92.8	93.2 93.5	93.2 93.5	94.6 94.9	94.7	94.7 95.0	94.7 95.0	94.7 95.0	94.7 95.0	94.8 95.1
6E 8UO	91.1	91.1 91		92.8	93.5	93.5	95.0	95.1	95.1	95.1	95.1	95.1	95.2
6E 7Un	91.1	91 - 1 91		92.8	93.5	93.5	95.1	91 2	95.2	95.2	95.2	95.2	95.4
0E 6001	91.4	91.4 92	-	93.1	91.9	93.9	75.7	ося	25.8	96.1	96.1	96.1	96.3
GE SOO!	91.5	91.5 92		93.2	94.1	94.1	95.9	96.0	96.0	96.4	96.4	¥6.8	96.9
G[ 400]	97.1	92 -1 92		93.B	94.8	94.8	76.6	96.7	96 • 7	97.5	97.5	98.0	36 • 5,
65 3001	72.3	92.4 93		94 • 1	95 -1	95.1	26.9	97.1	97.1	97.8	97.8	98.3	96.9
GE 200	92.3	92.4 93		94.1	95.1	95.1	96.9	97.1	97.1	98.1	98.2	99.8	99.7
GF 1001	92.3	92.4 93	. 7 93.4	94.1	95 • 1	95.1	96.9	97.1	97.1	98.1	98.2	98.9	196.0
6F 01	92.3	92.4 43	.2 93.4	94.1	95.1	95.1	96.9	47.:	97.1	98.1	98.2	44.9	160.0
	72 4 3 	· · · · · · · · · · · · · · · · · · ·		,,,,,			,,,,,,						*********

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIPILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PEPIOD OF FECORD: 77-86
MONTH: SEP HOURS(LST): ALL VISIBILITY IN STATUTE MILES GE GE GE GE GE GE GE GE GE GE E 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 CFILING IN | GE GE FEET | 10 E 1/4 ū NO CEIL | 61 200001 GE 180001 4.F 160001 GE 120001 GE 100001 90001 G F 80001 G F 70001 60001 71.1 72.4 80.2 85.4 72.1 73.4 91.5 50001 70.9 72.1 79.8 71.1 72.4 80.3 85.6 71.4 72.7 80.7 71.7 73.0 81.0 71.9 73.2 72.0 73.3 70.7 71.3 72.6 71.4 72.7 71.6 72.9 71.7 73.0 71.9 73.2 72.0 79.6 υf 45301 40001 80.5 85.8 81.3 60.8 81.0 81.0 R1.3 t. F 61.4 3500 86.8 6 F 30 un i 88.5 98.3 90.0 90.1 99.1 90.4 99.5 911.6 L F 25 JULE 89.5 91.2 90.1 91.9 71.3 93.4 91.4 89.1 90.4 90.7 90.9 91.0 91.4 91.7 91.7 91.9 10005 90.7 92.2 92.6 92.9 93.0 93.5 93.8 93.8 94.0 6 E 18001 90.8 91.5 92.1 92.8 92.3 92.8 93.0 93.2 93.5 93.6 93.6 93.9 93.9 94.0 04.1 94.9 1500 91.9 94.1 94.6 95.0 95.1 12001 25.2 95.2 95.4 95.5 10001 96.5 91.7 93.4 93.8 94.8 94.9 95.2 96.1 96 • 2 96 • 5 G.F 9601 92.3 96.2 96.5 96.6 36.6 96.7 6 E 8001 91.7 92.3 95.3 96.3 96.4 96.8 96.8 96.9 97.0 93.4 95.4 95.6 95.8 96.6 96.8 96.9 97.3 G I 7001 21.7 92.3 93.8 94.9 76.4 96.5 97.0 97.0 97.1 94.1 95.1 5061 92 . t. 92.6 95.3 95.8 91.2 97.7 97.7 97.8 97.9 43.7 94.2 97.6 97.1 96.1 95.6 95.7 95.8 G F 92.2 92.8 94.0 94.5 96 • 2 96 • 3 97.4 97.5 97.6 97.7 4 UT) 96.5 98 • 2 98 • 5 98.3 98.6 300 l 200 l 96.6 98.6 98.8 99.0 93.0 74.6 96.7 98.0 96.4 92. 1 ... 1021 91.0 94.3 94.6 96.7 97.9 99.0 98.1 99.D 29.2 99.5 100.0 64 h.F 92.4 95.0 94.2 94.6 95.4 96.4 97.9 98.1 99.0 99.2 99.5 100.0 

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CETLING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF FECORD: 77-86 MONTH: OCT HOURS(EST): 0000-0200 STATION NUMBER: 042020 STATION NAME: THULE AB GL CEILING VISIBILITY IN STATUTE MILLS

	1113								IN JIAI							
1		i E	6F S	5 F 4	GE ,	0F 2 1/2	G E	6 E 1 1/2	6E	GE 1	6E 374	6€ 578	6E 1/2	GΕ 5/16	GE 1/4	G F.
														• • • • • • •		
4. 3	CEIL I															
	200001															
	1860001															
	160001 140601															
	120001															
	i naan j															
(. t	405.18 130.18															
1, *	7: 50 I															
, i	61.00															
u F	51 00 1		12.2	72.9	13.2	73.4	73.6	73.6	73.9	74.6	74.6	74.6	74.6	74.6	74.7	74.7
1. 1 5. 1	45001 46001		73 89.5	73.9 81.3	74.2 81.5	74.4 81.8	74.6 82.0	74.6 82.0	74.9 82.4	75.0 82.5	75.6 83.9	75.6 P3.U	75.6 83.1	75.6 83.1	75.7 83.7	15.1 83.2
6.8	35371		9 * . (	83.9	64.1	84.4	85.0	85.1	85.4	85.5	86.1	86.1	86.2	86.2	86.3	86.3
i, F	3100		86.4	87.4	88.0	88.3	88.9	89.4	89.7	89.6	90.4	90.4	90.5	90.5	97.6	96.6
G F	25001		88.8	99.8	99.6	90.9	91.7	92 - 1	92.4	92.6	93.1	93.1	93.2	93.2	93.3	93.3
6 E	2000    1800		90.8 91.2	91.9	93. N	93.3 93.8	94.1 94.5	94.5 95.0	94.9 95.3	95.0 95.4	95.5	95.5 95.9	95.6 96.1	95.7	95.8 96.3	95.8 96.3
1, 1	1507		91.5	92 . 8	94.0	94.3	95.1	95.5	95.8	95.9	96.5	96.5	96.6	76.7	96.B	96.6
61	12001		91.5	92 • 8	94.1	94.4	95.2	95.6	95.9	96.1	94.6	96.6	96.7	96.8	96.9	96.9
61	10001		91.5	92.8	94.1	94.4	95.2	75.6	95.0	96 - 1	95.6	76.6	96.7	96.8	96.9	96.9
ist ist	4001 1004		91.H 91.6	95.1	94.4	94.7 95.1	95.5 96.1	95.9 96.5	96.3 96.8	96.4	96.9 97.5	96.9 91.5	97.0 97.6	97.2 97.7	97.3	97.3 97.8
G.F.	700		91.0	93.1	94.7	95.1	96.1	96.5	96.8	97.3	97.8	97.8	97.9	98.3	29.1	96.1
GF	enul		91.6	93.1	94.7	95.1	96.3	96 • 7	97.0	97.6	98.1	98 - 1	99.2	08.4	98.5	98.5
6!	5001		91.6	93.1	94.7	95.1	96.3	96.7	97.0	97.6	98.1	99.1	48.4	98.5	98.6	98.6
G F	4 0 0   3 0 0		91 • H 97 • 1	93.1 93.4	94.7 95.1	95.1 95.4	96 • 3 96 • 6	96 • 7 9 7 • D	97.0 97.4	97.8	9P.4	98.4	98.5 98.7	98.7 99.0	98.8 99.1	98.8 99.1
u f	2001		92.1	93.4	95.1	75.4	96.6	97.0	97.4	78.1	94.7	98.7	99.9	99.0	99.2	99.2
61	1001		92.1	93.4	95.1	95.4	96.6	97.0	97.4	28.1	98.7	98.7	98.9	99.0	99.7	100.0
							-									
1, 8	01		92.1	93.4	95.1	95.4	96.6	97.0	97.4	98.1	OR. 7	98.7	98.9	99.0	99.7	100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CTILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEAT	HER SER	VICE/MAG	C						0000							
STATION											MONTH		HOURS	(LST1: (		
CFILING	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •			IN STAFE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••
	1 GE	GF 6	GE 5	6 F. 4		2 1/2		6 F 1 1/2		G ξ 1	GE 3/4	G F 5 / 6	G€ 1/2	6E 5/16	GE 1/4	GE O
NO CEIL		• • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • •		•••••	• • • • • • •	******	•••••		•••••	• • • • • •	••••••
60 20000 60 18000																
GE 16000																
GE 14000																
GE 12000	ı J															
6F 100.00	1.															
GE 9000																
60 7000																
6	-															
61 Scot	: 1		75.3	76.0	76.0	76.0	76.1	76.2	76.3	76.3	76.4	76.4	76.5	76.5	76.7	76.8
GF 4500			76.2	76.9	76.9	76.9	77.0	77.1	17.2	77.2	77.3	77.3	77.4	77.4	77.5	77.6
UF 4000			81.5	82 .2	82.2	82.2	82 • 3	82.4	82.5	P 2 . 5	87.6	82.6	87.7	87.7	82.B	94.9
6F 3500			84.3	94.9	84.9	85.U	85.1	85.2	85.4 89.6	85.4 90.0	85.5 90.1	85.5 90.1	85.7 90.5	85 - 7	85 • 8 90 • 6	65.9
6E 3000	' '		87.E	86.7	89.1	89+2	89.4	89.5	07.0	40.0	701.1	40.1	40.3	90.5	¥(( • b	96.7
60 2500			9D.L	91.1	91.5	91.6	91.9	92.0	92.1	92.4	97.5	92.5	93.0	93.0	93-1	93.2
GF 2000			92.3	93.5	94.3	94.4	94.6	94.7	94.9	95.2	95.3	95.3	95.7	95.7	95.8	95.9
65 1800 61 1500			92.3 92.3	93.5 93.8	94.5	94.4 94.7	94.6 94.9	94.7 95.0	94.8 95.2	95.2 95.5	95.3	95.3 95.6	95.7 96.0	95.7 96.0	95.8 96.1	95.9 96.3
6F 1200			92.4	94 . 1	94.8	94.9	95.2	95.3	95.4	95.7	95, 8	95.8	96.3	96.3	96.4	96.5
												4				
5F 1000 6E 900			92.5 92.8	94.5	94.9 95.3	95.D 95.4	95.5 95.8	95.6 95.9	95.7 96.0	96.4	96 • 1 96 • 5	96.1 96.5	96.8 97.1	?6.8 ?7.1	96.9 97.2	97.J 97.4
SF BUT			93.0	94.6	95.4	95.5	96.3	96.4	96.5	96.8	96.9	96.9	97.6	97.6	97.7	97.8
61 700			93.C	74 . 6	95.4	95.5	96.3	96.4	96.5	96.8	96.9	96.9	97.5	97.6	97.7	97.8
5E 530	1		93.0	94.6	95.7	95.8	96.6	96.7	96.8	97.1	97.2	97.2	98.0	48.D	98.1	96.2
61 500	21		93.6	94 .6	95.7	95.8	96.6	96.7	95.B	97.1	97.2	97.0	98.0	0.89	98.1	96.2
UT 400			93.0	94.6	95.7	75.8	96.6	96.7	96.8	97.4	97.5	91.5	98 . 3	29.3	58.7	98.8
61 300			93.0	94.6	96 • D.	96.1	96.9	97.0	97.1	67.7	97.9	97.6	98.7	98.7	99.0	99.1
61 700 67 100	•		93.U 93.U	94 -6	96.0	76.1	96.9	97.0 97.0	97.1 97.1	77.7 97.7	91.8 97.8	97.8 97.6	98.7 98.7	98 • 7 98 • 7	99.0 99.3	99.1 180.0
01 101	′ 1		7346	94 .6	95 • D	96.1	96.9	7/.0	7/.1	71.1	77.7	71.6	70 . /	70.1	,,,,	100.0
66 6	1		93.4	94 .6	96 • P	96.1	96.9	97.0	97.1	97.7	17.B	91.8	98.7	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS:

31) B

# PERCENTAGE FREGUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	IN NUMBER:										HONTH:		HOURS	LŠTI: (	06un-08i	
CEILIN IN FEET	GE   10	GE 6	6E 5	ō E	GE 3	GE 2 1/2	2 GE A1216	GE 1 1/2	IN STATU GE 1 1/4	JTE MILE GE 1	.5 GE 374	G F 5 / 8	GE 1/2	GE */16	GE 1/4	G E
			•••••		• • • • • •		• • • • • •		• • • • • • •	• • • • • • •				*		
NO CET	ic i															
SE 200	an I															
f 180																
F 160																
SE 140																
5E 120	1001															
ر 160ء	an I															
	1001															
	001															
	וַסטי															
,F 61	וסטי															
£ 50	างด [		69.5	70.4	71.1	71.3	71.5	71.6	71.6	71.8	72.6	72.4	72.2	72.2	12.2	72.2
	uni		70.2	71 .2	71.9	72.1	12.3	72 -4	72.4	72.5	72.7	72.7	73.0	73.U	73.□	73.0
	1001		76.3	77.3	78.2	76.5	78.7	78 .8	78.6	78.9	12.1	79.1	79.3	79.3	79.3	79.3
	anj		81.2	82.3	83.4	84.0	84.4	84.5	84.5	84.6	84.8	84.5	85.2	85.2	85.2	85.2
sr. 30	1001		84.4	85 • 5	86.7	87.5	87.9	B B + 2	88.7	PR. 7	60.0	PR.9	89.3	P9.3	89.5	89.5
ε 2°	001		86.0	87.4	89.9	89.5	89.9	90 • 2	90.2	90.7	90.9	93.9	91.3	91.3	91.4	91.4
	1001		88.1	89.6	91.3	91.9	92.4	92.7	92.7	93.2	93.4	93.4	93.8	93.8	94.0	04.0
i E. 18	1001		88.2	89.7	91.4	92.0	92.5	92.9	92.7	93.3	93.5	93.5	94.0	94.0	94.1	94.1
	.001		88.7	1.09	92.1	92.6	93.2	93.5	93.5	94.2	94.4	94.4	94.8	94.8	94.9	94.9
it 13	1001		88.9	90 . 5	97.4	33.0	93.6	94.0	94.0	94.6	44.A	94.8	95.3	75.3	95.4	95.4
• E 10	on I		89. !	91.2	93.3	93.8	94.7	95.1	95.1	75.9	96.7	96.2	96.7	96.7	97.D	97.1
	uni		89.3	91.2	93.3	93.8	94.7	95.1	95.1	95.9	96.2	96.2	96.7	96.7	97.0	97.1
5 F F	' U G		87.3	91.2	93.3	93.8	94.7	95.1	95.1	95.9	96.2	96.2	96.7	96.7	97.0	97.1
	run l		89.5	91.5	93.4	94.0	94.8	95.2	95.2	76.4	96.6	96.6	97.1	97.1	97.5	97.6
if e	1001		89.6	91.4	93.6	94.2	95.1	95.6	95.6	06.H	97.0	97.6	97.6	97.6	98.1	98.2
5 F S	no I		89.6	91.4	93.6	94.2	95.1	75.6	45.6	76.8	97.0	77.0	97.7	97.7	98.2	98.4
	isal		89.7	91.5	93.7	94.3	95.2	95.7	95.7	76.4	97.1	97.1	98.0	98.0	98.6	96.8
	'Ga l		89 . E	91.0	93.8	94.4	95.3	95.8	45.2	97.U	97.3	47.3	98 • 1	98.1	98.7	99.0
	soci		89.6	91.6	93.8	94.4	95.3	95.8	95.8	97.0	97.3	97.3	98.2	98.2	98.8	99.1
5 F 1	1001		9.08	91.6	93.4	94.4	95.3	95.0	95.A	97.0	97.3	97.3	98.2	98.2	38.9	99.6

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020									HINCH		HOURS	LSTI: U		
CEILING	• • • • • • • • • • • • • • • • • • • •	••••••	• • • • • •							• • • • • • •				
16   6E GE FEET   10 6	GE S	4	GE 3 2		G E. 2	6 E 1 1/2	IN STATE GE 1 1/4	GE 1	GE 7/4	G1 578	5E 172	6f 5/16	6E 174	UF _
NO CEIL														
GT 207001 GT 180001 GT 180001 GT 140001 GT 120001														
GF 100001 GF 90001 GF 30001 GF 70001 GF 60001														
GF 50001 GL 45001 GE 45001 GF 35001 GL 30001	65,5 67,4 72,2 78,1 82,4	68.0 6 72.9 7 79.2 8	8 · 8 · 6 3 · 7 · 7 7 · 0 · 8	6.9 6.9 3.9 10.4	67.3 69.3 74.6 81.1 85.8	67.5 69.5 74.8 81.4 86.1	67.5 69.5 74.9 81.5 86.2	67.7 69.6 75.0 81.6 86.4	67.7 67.6 75.0 81.6 86.4	67.7 69.6 75.0 81.6 86.4	67.9 69.9 75.4 82.0 86.7	68.1 70.1 75.5 P2.2 P6.9	69.1 70.1 75.6 52.3 67.6	6 6 4 1 7 7 4 1 7 5 4 6 6 2 4 3 6 7 4 0
61 250N 65 2000 66 1800 66 1500 67 1200	86.6 85.6 87.5	87.9 8 88.4 9 89.3 9	9.5 9 0.1 9 1.1 9	17.6 10.2 10.8 12.0	88.3 91.1 91.6 93.1 93.6	88.7 91.4 92.0 93.5 94.3	88.8 91.5 92.1 93.6 94.4	88.9 91.6 92.2 93.8 94.6	88.9 91.6 92.2 97.8 94.6	88.9 91.6 92.2 93.8 94.6	89.2 92.0 92.5 94.2 94.9	99.4 92.2 92.7 94.4 95.2	89.5 92.3 92.8 94.5 95.3	64.5 47.3 94.8 94.5 45.3
6: 10001 6: 7001 6: 7001 6: 7001 6: 6001	87.6 87.8	89.4 9 89.4 9 89.7 9	1 • 2 9 1 • 2 9 1 • 4 3	2.1 2.1 2.1 2.3	93.8 93.8 93.8 94.1 94.2	94.5 94.5 94.5 94.7 94.8	94.6 94.6 94.6 94.8 94.9	95.3 95.4 95.6 95.9	95.3 95.3 95.5 95.9 96.1	95.3 95.3 95.5 95.8 96.1	95.6 95.6 95.8 96.1 96.7	95.8 95.8 96.0 96.4 96.9	95.9 95.9 96.1 96.5 97.1	96.0 96.0 96.3 96.6 97.2
61 4001 61 4001 61 3001 61 2001 61 1001	89.(	89.8 9 89.9 9 89.9 9	1.5 9 1.6 9	2.4	94.5 94.5 94.6 94.6 94.6	95.3 95.3 95.4 95.5 95.5	95.4 95.4 95.5 95.6 95.6	96.4 96.4 96.5 96.6 96.6	96.8 97.0 97.1 97.2 97.2	96.8 97.0 97.1 97.2 97.4	97.5 97.7 97.8 98.0 98.1	97.8 98.0 98.1 98.3 98.5	98.7 98.7 98.9 99.2	95.3 96.6 96.5 99.2 99.7
64 01	88.0	99.9 9	1.6 9	2.5	94.6	95.5	95.6	76.6	97.2	91.2	98 - 1	<b>98.5</b>	99.2	10.0

#### PERCENTAGE FREQUENCY OF DCCURPENCE OF CFILING VIPSUS VISIBILITY FROM HOURLY OBSERVATIONS

					ON NAME:							HOUTH	: OC 1		(LŠT):	1230-14	00
	LING	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••			IN STATI		• • • • • • • • • • • • • • • • • • •	• • • • • •		• • • • • •	• • • • • •	• • • • • • • • • • •
FE	N J	10	6 E	GE 5	G E 4	-	GE 2 1/2	G L 2	G E 1 1/2	GC 1 1/4	GE 1	GE 374	G	GE 1/2	GE 5/16	GE 1/4	6 E 0
	CEIL I	••••	• • • • • • •	• • • • • • •		••••		• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •		• • • • • •	• • • • • •	
10 10 10	20000   18000   16000   14000   12060																
6 E 6 E 6 E 6 E	10000 ( 9000 ( 8000 ( 7000 ( 6000 (		•														
6E 6F 6E 6E	5000   4500   4000   3500   3000			65.4 67.7 74.2 78.6 83.0	66 •2 68 •5 74 •9 79 •6 84 •2	66.8 69.1 75.8 80.5 85.4	67.6 69.9 76.6 81.3 86.3	67.6 69.9 76.7 81.5 86.5	68 •1 70 •4 77 •3 82 •3 87 •5	68.1 70.4 77.4 82.9 87.6	68.4 70.7 77.7 82.7 88.0	6°.4 70.7 77.7 82.7 88.0	68.4 70.7 77.7 82.7 88.0	68.9 71.2 78.2 83.4 48.7	68.9 71.2 78.2 83.4 88.7	65.9 71.2 78.2 63.4 68.7	64.0 71.3 78.4 83.5 84.0
6E 6E 6E 6E	2500   2000   1800   1500   1200			85.7 87.3 87.6 87.9 88.2	87.4 89.0 89.3 90.0 90.3	88.8 90.8 91.1 91.9 92.2	89.7 91.6 92.0 92.7 93.1	90 • 1 92 • 1 92 • 4 93 • 2 94 • 1	91.1 93.1 93.4 94.2 95.2	91.2 93.2 93.5 94.3 95.5	91.6 93.7 94.1 94.8 96.0	91.6 93.7 94.1 94.8 96.0	91.6 93.7 94.1 94.8 96.0	92.4 94.5 94.8 95.6 96.8	92.4 44.5 94.8 95.6 96.8	97.4 94.5 94.8 95.6 96.8	92.7 94.8 95.2 95.9 97.1
6 F 6 F 6 F 6 F	1000 ( 900   800   700   600			88.5 88.5 88.5 88.6 88.6	90 • 5 90 • 5 90 • 5 90 • 7 90 • 8	92.5 92.5 92.5 92.6 92.7	93.4 93.4 93.4 93.5 93.6	94.4 94.4 94.4 94.5 94.6	95.6 95.7 95.7 95.8 96.0	95.9 96.2 96.2 96.3 96.5	96.8 97.1 97.4 97.5	96.8 97.3 97.5 97.6 97.8	96.8 97.3 97.5 97.6	97.6 98.0 98.2 98.4 98.6	97.6 98.0 98.2 98.4 98.6	97.6 98.0 98.2 98.4 98.6	\$7.9 96.4 98.6 98.7 96.9
6 E 6 F 6 F 6 F 6 F	500   400   300   200   100			88.7 88.7 88.7 88.7	90 •8 90 •8 90 •8 93 •6 90 •8	92.7 92.7 92.7 92.7 92.7	93.6 93.6 93.6 93.6 93.6	94.6 94.6 94.6 94.6	90.U 96.0 96.0 96.U	96.5 96.5 95.5 96.5 96.5	97.7 97.7 97.7 97.8 97.8	97.9 97.8 97.8 97.9 97.9	97.8 97.8 97.6 97.9	98.6 98.3 98.8 98.9	98.6 98.8 98.8 98.9 98.9	98.6 98.8 98.8 99.2 99.5	58.9 99.1 99.1 99.8 100.0
6 (	01			88.7	90.3	92.1	93.6	94.6	96.0	96.5	97.B	97.9	91.9	98.9	98.9	99.5	100.0

#### PERCENTAGE FREQUENCY OF UCCURRENCE OF CFILING VERSUS VINIBILITY FROM HOURLY OBSERVATIONS

PE 100 OF RECORD: 77-86 STATION NUMBER: 042020 STATION NAME: THULF AB GL MONTH: OCT HOURSILSTI: 1500-1700 VISIBILITY IN STATUTE MILES
GE GE GE GE GE
Z 1 1/2 1 1/4 1 3/4 CEILING EFILING IN | GE | GE GE GE GE FEET | 10 | 6 | 5 | 4 | 3 | 2 | 1/2 | 61 GE 5/8 1/4 1/2 5/16 O NO CEIL I GE 200001 GE 180001 GE 160001 65 140001 GE 120001 66 100001 9000 Ьſ 70001 60001 68.0 69.2 73.9 78.0 71.3 72.5 78.1 82.9 88.8 71.3 72.5 79.1 82.9 71.5 72.7 78.3 83.4 71.6 72.8 79.5 83.6 G.E. 50001 69.3 73.5 67.9 69.9 70.3 71.5 70 .8 72 .0 70.8 72.0 71.3 72.5 71.5 72.7 71.7 72.9 6 F 45001 78.U 92.8 78.3 83.4 75 .4 79 .6 75.1 80.6 76.6 81.2 77.0 77.1 78.6 83.7 40001 76.1 35001 81.7 G.E 80.6 3000 83.0 90.9 92.7 93.0 93.5 93.4 93.9 93.9 25601 93.4 94.1 95.8 94.3 93.4 υŧ 200ni 88.5 91.1 97.7 94.0 94.1 95.1 1800 91.5 94.4 94.5 95.5 95.6 95.6 96.1 89.8 96.1 96.3 96.5 95.2 96.7 96.1 (, F 15001 89.0 93.6 94.4 95.1 96.2 96.3 96.3 97.2 89.3 97.1 12001 95.3 95.3 95.3 95.3 10001 94.D 94.1 97.4 97.6 97.6 98.0 98.0 90.2 98.5 G F 89.3 91.9 95.4 96.1 9001 1009 94.0 94.1 95.9 95.9 95.9 1.64 97.4 97.4 97.6 97.6 97.6 97.7 98.2 98.5 89.3 91.9 98.0 98.0 98.1 98.2 89.5 91.9 G F () F 600 I 89.3 94.0 95.3 96.1 79.2 98.2 98.7 95.2 95.3 95.3 89.3 91.9 91.9 95.9 95.9 96.1 96.1 97.4 91.7 77.7 91.7 98 • 2 98 • 2 5001 94.1 98.2 98.7 98.9 94.0 98.2 98.9 99.1 4001 94.1 61 G E 3001 2001 87.3 91.9 94.0 94.1 95.9 96.1 97.4 97.7 91.1 98.4 98.4 99.0 94.2 61 94.0 94.1 95.3 95.9 96.1 99.4 97.4 100.0 n j 95.3

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020 STATION NAME: THULE AB GL PEPIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1800-2300 ING VISIRILITY IN STATUTE MILES CEILING IN | GE GE GE GE GE GE FEET | 10 6 5 4 3 2 1/2 1/4 ο NO CEIL 1 6E 200901 6F 18C001 6E 160001 GE 14000 6F 120001 SF 100001 GF 80001 7000 G ŧ. 60001 70 · 4 71 · 3 77 · 4 71.1 72.0 78.2 72.1 73.0 79.4 72.2 73.1 79.5 72.2 73.1 79,5 72.5 73.4 79.8 72.5 73.4 79.8 u f r, F 50001 70.1 12.8 13.7 71.8 78.0 72.5 78.7 72.8 45001 72.6 77.1 73.8 40001 77.U 80.2 EU . 3 6 E 35001 81.4 81.9 82.4 82.7 83.2 83.6 83.9 84.0 84.1 84.1 84.5 94.5 84.8 85.0 30001 86.5 88.4 88.9 90.3 [, F 90.7 25001 90 .8 97.4 93.0 95.2 93.2 93.7 91.6 91.8 92.8 93.1 93.2 93.7 94.0 94.2 95.0 95.2 95.5 91.9 92.1 92.7 93.6 93.8 93.8 95.3 95.4 95.9 6 F 20001 95.4 95.9 94.5 95.6 96.0 18001 95.4 €, F 96.1 96.1 96.4 96.6 92.5 94.1 96.0 96.4 96.7 6 E 12401 94.3 94.9 95.5 96.0 96.0 G E 10001 92.5 93 •2 93 •2 94.1 94.1 94.3 94.3 95.5 95.5 97.2 94.9 95.9 96.7 97.2 97.7 97.9 97.2 97.9 94.9 95.9 96.5 96.7 97.7 96.7 GF 8001 92.6 92.6 93.3 94.2 94.4 95.0 95.6 96.0 96.6 97.1 97.1 97.5 97.5 98.0 98.3 94.4 7001 94.2 95.0 95.6 96.6 97.1 97.5 98.D 44 96.0 98.3 6 6201 92.6 92.6 96 · 8 96 · 8 96 · 8 97.3 97.3 97.3 5001 94.2 94.2 95.0 96.0 97.3 98.3 99.0 5 E 99.3 93.3 94.4 95.6 95.6 98.3 4001 95.0 96.0 98.3 99.0 99.2 3001 92.6 94.2 96.0 97.3 99.2 95.0 98.3 99.0 92.6 € E 2001 93.3 94.2 24.4 95.0 95.6 96.D 96.8 97.3 97.3 98.3 98.3 99.0 99.7 100 93.3 94.2 i f 94.4 95.0 97.3 99.0 95.6 96.0 96.8 97.3 98.3 98.3 100.0 1, 1 0.1 92.6 93.3 94.2 94.4 95.0 97.3 95.6 96.0 99.0 100.0 96.8 97. 3 7 . 89 98.3

# GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIAILITY FROM HOUPLY OBSERVATIONS

STATION		_				_						PEPIOD MONTH:	001	HOURS	(LŠT): 2		-
		• • • • • •	• • • • • • •	• • • • • • •	••••••										• • • • • • •		
CEILING								VISI	BILITY	IN STATU	TE MILE	. 5					
IN	1	GE	GE	GE	GF	G£	GE	GE	GE	GE	GΕ	6£	G E.	GE	GE	GE	GE
FEET	1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	U

FE	N I	GE 10	GE 6	6E 5	G F 4	GE 3	GE 2 1/2	GE	GE 1 1/2	GE 1 1/4	GÉ 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
N 0	CEIL																
ĿΕ	200001																
	180001																
	160001																
	14000[																
ıξ	120001																
ε	100001																
F	9000																
GF	80001																
G E	7000																
S E	ecao (																
Ξí	50001			69.6	70 .4	70.9	71.1	71.3	71.6	72.0	72.2	77.3	72.4	72.5	72.5	72.5	72.5
F.	4500			71.2	71.7	72.2	72.4	72.6	73.0	73.3	73.5	73.7	73.8	73.9	73.9	13.9	73.9
, f.	4000 J			78.5	79.3	79.7	79.9	60.2	80.5	80.8	91.1	81.2	81.3	81.4	81.5	81.5	81.6
a E	35001			81.6	82.6	83.1	93.3	83.5	84 • 2	84.5	84.8	84.9	85.0	85.1	85.2	85.2	85.3
S E	30001			86.4	87.4	88.0	88.2	88.6	89.2	89.6	89.8	89.9	90.0	90.1	90.2	90.2	90.5
υĒ	25 on L			89.1	90.2	90 - 8	91.0	91.7	92.4	92.7	92.9	93.0	93.2	93.3	93.4	93.4	93.6
ÞΕ	2000			91.1	92.5	93.6	93.8	94.7	95.4	95.7	96 • U	96.1	96.2	96.3	96.4	96.4	96.6
, F	1800			91.3	92.6	93.7	93.9	94.8	95.5	95.9	96.1	96.2	96.3	96.4	96.5	96.5	96.7
ĿΕ	15001			91.5	92 •8	94 • 2	94.4	95.3	96.0	96.3	96.5	96.6	96.7	96.9	97.0	97.0	97.2
ıE	12001			91 • 5	92 •8	94.2	94.4	95.3	96.1	96.4	96.6	96.7	96.9	97.0	97.1	97.1	97.3
ıf.	10001			91.7	95.0	94.5	94.7	95.6	96.4	96.7	97.0	97.2	97.3	97.4	97.5	97.6	97.9
٦F	9001			91.8	93.2	94.6	94.8	95.7	96.5	96.9	97.1	97.3	97.4	97.5	97.6	97.8	96.3
×Ε	8001			91.8	93.2	94.6	94.8	95.7	96.5	96.9	97.1	97.3	97.4	97.5	97.6	97.8	98.0
٦F	700			91.8	93.2	94.6	74.8	95.7	96.5	96.9	97.1	97.3	97.4	97.5	97.6	97.A	98.U
νE	6001			91.8	93.3	94.7	95.0	95.9	96 .6	97.0	97.2	97.4	97.5	97.6	97.8	97.9	98.1
5 E	5001			91.8	93.3	94.7	95.1	96.0	96.7	97.1	97.4	97.6	97.8	98.8	98.9	99.0	99.2
G E	4001			91.8	93.5	94.7	95.1	96 . D	96.9	97.2	97.6	97.9	98.0	99.0	99.1	99.2	99.4
ۍ د	3001			91.8	93.3	94.7	75.1	96.0	96.9	97.2	97.6	97.9	98.0	99.0	99.1	99.2	99.4
5 f.	200			91.8	93.3	94.7	95.1	96.0	97.0	97.3	97.6	98.0	98.1	99.1	99.2	99.4	99.7
ΣE	1001			91.6	93.3	94.7	95.1	96.0	97.0	97.3	77.8	98.0	98.1	99.1	99.2	99.6	100.0
G F	c I			91.8	93.3	94.7	95.1	96.0	97.0	97.3	97.8	9 . 0	98 • 1	99.1	99.2	99.6	100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VEHSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL PEPIOD OF RECORD: 77-86 MONTH: OCT HOURS (LST): ALL CEILING VISIBILITY IN STATUTE MILES E GE 5 SE GE GE GE GE GE GE GE 2 1 1/2 1 1/4 1 3/9 IN I FEET I GΕ GE GE GE GΕ GE GF 10 3 2 1/2 5/8 0 1/2 5/16 NO CEIL I GE 20000| GE 18000| GE 16000 GE 140001 GF 12000 6E 100001 GF 96001 8000 GE 70001 60001 6 E 50001 71.7 73.8 79.4 83.9 71.9 73.1 79.5 84.1 G F. 69.5 73 .2 70.7 72.9 70.9 71.2 71 .4 72 .7 71.5 72.8 71.9 73.2 72.1 73.4 72 • 1 73 • 4 72.2 73.5 72.2 73.5 72.2 78.4 82.7 45001 70.8 72.5 77.6 81.8 78.1 62.4 79.5 84.1 79.8 GE GE 76.7 80.8 78.7 83.1 79.0 83.5 79.1 83.7 79.8 79.9 80.0 84.6 40001 84.4 84.6 G F rean i 85 . C 86 . 1 87 - D 89.0 89. n A9.4 P9.7 87.7 89.0 91.0 90.0 92.3 90.4 92.1 GΕ 25001 91.0 91.4 91.6 94.0 91.9 92.1 92.5 92.5 92.7 95.1 92.8 94.4 G E 20001 94.5 94.9 95.0 GF 18001 89.8 91.3 92.6 93.0 93.6 94.3 94.7 94.8 94.8 75.3 95.4 95.5 93.2 95.9 96.3 96.1 96.5 96.2 GΓ 15001 90.1 91.7 93.6 94.3 94.8 95.0 95.4 95.5 95.5 96.0 90.2 94.6 96.4 95.7 95.9 96.0 υŧ 10001 90.3 92.0 93.6 94.0 94.9 97.0 97.1 97.2 97.4 95.5 96.4 96.6 76.6 G F 90.4 90.5 92.1 93.7 94.1 95.0 95.2 95.6 95.8 96.5 96.7 96.7 97.2 97.2 97.4 97.6 9001 ลมอไ 97.1 G F 700 90.5 93.8 94.2 95.2 97.1 97.6 G F 6001 90.6 92.3 93.9 94.3 95.4 96 .U 96.2 97.0 97.8 97.9 98.1 96.3 G E 5001 93.9 93.9 96.3 96.3 98 • 2 98 • 4 90.6 92.3 94.3 95.4 96 - 1 97.2 97.5 97.5 98.2 98.6 96.7 95.4 95.5 95.5 94.3 97.6 97.7 97.7 4001 90.6 92.3 97.2 97.6 99.0 96.1 98.4 98.8 GE 3001 90.6 92.4 94.0 96.2 96.4 97.4 91.7 98.5 98.6 98.9 99.1 99.1 GE 2001 94.5 96.5 96.2 98.6 90.6 97.4 1001 94.0 95.5 97.7 19.3 76 .2 01 94.5 98.6 96.5

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC PEPIOD OF RECORD: 77-86 STATION NUMBER: 042020 STATION NAME: THULE AB GL MONTH: NOV HOURS(LST): DOUD-G200 CLILING VISIBILITY IN STATUTE MILES IN | GE FEET | 10 GE GE 5 4 GE GE GE GE 2 1 1/2 1 1/4 1 GE GE 3 2 1/2 61 G E 3/4 5/8 1/2 5/16 NO CETE I 6E 200001 GE 180001 OF 160001 GE 140001 GE 120001 65 100001 í. F 9000 80001 ЬE 70001 GF 10000 80.7 82.2 86.8 89.3 8C.9 82.6 87.3 81.3 83.0 87.7 81.4 83.1 88.0 81.4 83.1 88.0 81.5 93.2 88.1 P2.2 83.9 86.8 80.3 8U.8 82.5 87.2 89.7 6 F 50001 62.0 80.9 85.1 87.5 83.1 88.0 97.5 83.U 87.7 83.1 98.0 45001 81 .8 81.8 88.6 GE 40001 88.9 89.8 90.2 90.5 40.5 90.5 3500 90.2 90.6 91.1 91.3 3000 i 25001 90.2 93.9 95.5 94.1 94.1 94.1 94.2 95.8 95.0 95.7 95.9 94.8 95.1 95.2 GF 20001 90.8 92.4 94.0 94.3 95.5 96.8 96.9 94.3 95.8 95.8 18001 91.1 92.7 94.7 96.0 94.0 36.0 96.3 97.2 97.3 (, F 96.1 96.4 97.3 97.4 15001 91.1 92.4 94.8 96.1 96.1 96.1 96.3 97.8 12001 91.6 96.4 96.4 96.6 94.6 93.3 95.2 96.6 96.7 96.8 97.5 GF 10001 91.9 93.6 95.6 96.0 96 .8 96 .8 97 .2 96.8 96.8 97.2 97.0 97.0 98.4 98.5 95.2 97.0 95.6 97.0 97.4 97.0 97.5 99.4 98.8 9001 93.6 96.0 97.4 98.5 91.7 G.F 8001 91.9 93.6 96.4 98.9 93.6 97.4 97.4 97.7 97.8 98.8 6 F 6001 93.6 95.7 96.4 97.2 97.2 97.4 97.4 97.4 97.7 97.8 48.8 98.9 ls E G F 93.6 91.2 97.8 98.8 98.8 5001 95.7 96.4 91.4 97.5 97.4 97.7 99.0 91.9 95.3 97.4 97.4 97.7 4001 75.7 96.4 97.2 97.4 99.0 97.2 97.2 97.8 38.A G E 3001 91.9 93.6 95.7 96.4 97.4 99.1 97.4 97.4 97.4 97.8 99.0 99.3 2001 91.9 75.7 97.2 97.2 L I 93.6 95.3 96.4 1001 98.1 99.2 99.7 υE 01 93.6 95.3 95.7 97.2 97.4 97.4 98.1 96.4 97.4

TOTAL NUMPER OF ORSERVATIONS: P80

### PERCENTAGE FREQUENCY OF OCCUMRENCE OF CEILING WERSUS VICIPILITY FROM HOURLY OBSERVATIONS

						THULE						PEPIOU MCNTH	: NOV	HOURS	(LSTI:		
CEILIN		• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••			IN STATE			• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	
IN	- 1	GŁ	GE '	30	GF	G €.	GE	GE	GE	3.0	GE	۲٠Ę	GE	GE	θ£	GE	C E
FELT		10	6	5	4		2 1/2		1 1/2			374	5/8	1/2	5/16	1/4	
						••••											
NO CE	IL I																
6F 200	anı																
GF 180	1001																
GF 160																	
GE 140																	
GE 120	1001																
65 100	1000																
	100																
66 80	9 <b>00</b> j																
6 E 70	וסטר																
OF 60	1000																
ur 50	1001			78.8	90.4	80.5	50 . 6	80.9	81.0	61.0	R1.0	81.0	91.0	81.2	91.2	52.0	F2.6
	5001			80.7	82 .4	82.6	82.7	82.9	83.0	83.0	83.E	83.7	83.0	83.3	P3.3	44.1	64.7
6E 40	្រាប់			84.3	85.9	86.3	86.4	86.6	86.9	B6.9	a6.9	86.9	86.9	47.2	R7.2	68.O	P8.6
	100			86.6	88 • 5	88.9	89.0	89.3	89.5	89.5	49.5	49,5	89.5	89.7	40.9	≠0 <b>- 7</b>	91.2
6E 30	0001			87.5	89.7	90.2	20.3	90.5	90.8	96.8	90.9	41.0	91.0	91.3	31.3	92.5	91
us 25	sanı			88.5	93.8	91.3	91.7	91.9	92.2	92.2	92.3	92.4	92.4	92.5	92.5	93.7	94.2
	ומטי			89.7	92.0	92.7	73.3	93.7	93.9	93.9	94.0	94.1	74.1	94.6	94.6	45.6	96.2
	1001			90 - 1	92.4	93.1	93.7	94.0	94.2	94.2	94.3	94.5	94.5	94.9	94.9	96.0	96.5
	5 U U			91.6	93.4	94.1	74.7	95.3	95.5	95.5	95.6	95.7	95.7	96.2	96.2	97.2	97.8
61 12	0001			91.2	93.5	94.5	95.0	95.6	95.8	95.A	36.0	94.1	96.1	96.5	96.5	97.6	98.2
61 10	2001			91.5	94 •0	94.7	95.3	95.8	96.2	46.2	96.9	97.0	97.0	97.5	97.5	48.5	99.1
	0001			91.5	94.0	94.7	95.3	95.8	76.2	96.2	96.9	47.2	97.0	97.5	97.5	99.5	99.1
0.F F	: បព [			91.5	94.3	94.7	95.3	95.8	96.2	96.2	96.9	97.7	97.0	97.5	97.5	98.5	99.1
	760 I			91.5	94.0	94.7	95.3	95.8	36 •5	96.2	96.9	97.7	97.0	97.5	97.5	90.5	99.1
UL f	5001			91.5	94.0	94.7	95.3	95.8	96 .2	46.5	96.9	97.0	97.0	97.5	97.5	₹8.5	99.1
61 5	5001			91.5	94 - ()	94.7	95.3	95.8	96.2	96.2	96.9	97.0	97.0	97.5	97.5	48.5	99.1
	1001			91.5	94.0	94.7	95.3	95.8	96.2	96.2	96.9	97.0	97.	97.5	97.5	94.5	99.1
of 3	tuci.			91.5	94 .0	94.7	75.3	95.8	96.2	96.2	96.9	97.1	97.0	97.5	97.5	98.5	94.1
	1035			91.5	94.0	94.7	95.3	95.8	96.2	96.2	96.9	97.)	97.0	97.5	97.5	98.5	99.1
61 1	1001			91.5	74 .0	94.7	95.3	95.8	96.2	96.2	96.9	97.1	97.0	97.5	97.6	48.6	28.6

6F 0| 91.5 94.0 94.7 95.3 95.8 96.2 96.2 96.9 97.0 97.5 97.6 98.6 1CU.O

GEOBAL CLIMATOLOGY BRANCH

# PENCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

PERIOD OF MECORD: 77-86 MONTH: NOV HOURS(LST): 0600-0800 STATION NUMBER: 042020 STATION NAME: THULE AB GL \* CEILING IN 1 GE FEET | 10 VISIBILITY IN STATUTE MILLS GE GE 7 2 1/2 GE GE GE GE 10 6 5 4 GE GF GE GE GE GE GE GE 6E 6E 172 5/16 GE GE 1/4 U NO CETE 1 GE 200001 65 180U0 I 57 160001 57 140001 GF 12000 GE TUDON! 4.5 9000 Gr acont 6 E 60001 87.4 62.8 87.5 90.3 6, 5 50001 90.6 υF 45.001 81 .4 86 .u 88 .7 81.8 86.5 89.2 79.9 84.3 82.2 87.2 86.8 82.4 87.U 82.4 87.0 87.4 82.9 87.6 83.1 87.8 P3.3 63.9 68.7 84.0 88.8 40001 35001 G.F. 86.9 93.6 89.6 87.6 AG.H 89.A 90.2 90.4 91.4 91.6 30001 93.2 25 00 1 92.5 92.7 92.7 93.1 93.2 92.0 42.5 93.3 91.5 91.8 94.4 94.3 90.5 91.6 92.7 94.3 91.4 97.1 92.5 93.5 93.2 93.9 93.9 94.2 I. F 20001 93.6 93.6 94.4 94.7 74.9 95.5 95.6 16001 94.7 05.9 27.1 94.7 95.5 97.2 95.7 96.5 98.1 46.6 ti E 15001 94.9 95.7 96.3 96.4 12601 92.8 95 - 6 45.9 96.5 4.40 9.40 96.9 97 7 98.5 10061 5.1 93.1 95.4 95.4 96.3 96.3 96.9 97.1 97.6 97.6 47.6 98.1 98.3 98.4 98.6 8.89 99.4 44.5 97.6 93.1 96.9 97.1 98.1 98.4 49.6 98.8 99.4 99.5 93.1 95 .4 95 .4 97.1 97.1 97.6 97.6 98.1 98.3 98.3 :. 6 eant 96.3 96.9 97.6 98.4 98.6 98.8 99.4 99.5 96.9 96.3 97.6 38.4 98.6 8.80 49.4 99.5 (, F 6001 5001 76.9 97.6 97.6 99.5 98.4 98.6 98.9 99.4 99.3 90.3 90.3 90.3 95.4 91.6 ٠, [ 4001 93.1 96.3 96.9 97.1 97.6 98.1 98.4 93.6 99.4 99.5 3001 93.1 96.9 98.1 96.3 97.1 97.6 98.4 28.6 8.8° G.9° 49.4 99.7 99.5 G 2001 93.1 95.4 96.3 97.6 97.6 98.1 1001 93.1 96.3 97.1 97.6 96.9 97.6 98.1 98.4 98.6 99.0 99.7 106.0

97.6

98.1

90.5

98.4

97.6

TOTAL NUMBER OF ORSERVATIONS:

93.1 95.4

P64

96.4 96.9

97-1

υ£

0.1

### PERCENTAGE FREQUENCY OF OCCURPENCY OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

LILING											MONTH			16511: 0		
FEET	J GŁ J 10	6 E	GE 5	G F	GE 3	GF 2 1/2	V 1 S 1 ( G E 2	6 t 1 1/2	IN STATE GE 1 1/4	JTE MIL GE 1	ES GL 3/4	G( 5/8	GE 1/2	6f 5/16	GE 174	GE D
•••••	• • • • • • •	• • • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •		• • • • • •	
0 CEIL	1															
£ 20000	1															
E 18000																
E 16000																
E 14000																
E 12000	1															
£ 10000	1															
f 9000																
E 8000																
L 7000																
. 6000	1															
£ .5000	ı		77.4	78.1	79.9	79.5	79.8	80.6	80.2	Rg . 2	80.2	PO.3	80.3	я <b>().</b> 4	a1.0	81.1
r 4500			79.1	79.8	80.6	81.2	81.5	81.9	82.0	82.0	6.2.0	82.1	B2 - 1	A2 • 2	52.R	P2.9
E 4000			81.9	82.7	83.5	84.1	84.5	84.9	85.0	95.1	85.1	85.2	85.4	A5.5	86.D	86.2
5 3500			85.r	85.9	86.9	87.4	87.9	88.2	88.4	P6.5	89.5	88.6	88.7	88.3	89.4	89.5
f 300n	1		87.5	88.5	89.5	1.00	90.5	90.9	41.0	71.1	91.1	91.2	91.3	91.5	92.0	92.2
F 2500	i		88.4	89.3	90.4	91.0	91.5	92.0	92.2	92.3	92.3	92.4	92.5	92.6	93.2	63.3
0.000	i		69.6	90.5	92.0	92.7	93.3	93.9	94.0	94.1	94.1	94.2	94.1	94.5	95.0	95.2
F 1600	•		90.4	91.3	93.0	93.7	94.2	94.8	94.0	95.0	95.0	95.2	95.3	95.4	96.0	96.1
f 1500			91.8	92 • 7	94.8	95.6	96.3	96.9	97.0	97.2	97.2	97.3	97.5	97.6	7 P • 2	98.3
1200	,		92.2	93.1	95.2	96.0	96.7	97.2	97.3	97.7	97.7	97.8	97.9	ن.98	98.6	98.7
f 1000	1		92.2	93.2	95.4	96.2	97.0	97.7	97.8	98.2	99.2	98.3	98.4	98.5	99.1	99.2
F 900	l .		92.3	93.5	95.5	76.3	97.1	97.8	97.9	9 R . 3	90.3	98.4	98.5	98.6	99.2	99.3
E 800			92.3	93.3	95.5	96.3	97.1	97.8	97.9	99.3	98.3	98.4	98.5	98.6	99.2	99.3
5 700	•		92.3	93.3	95.5	96.3	97.1	91.8	97.9	98.3	9A.3	98.4	98.5	98.6	99.2	99.3
F 600	1		97.3	93.3	95.5	96.3	97.1	97.8	97.9	79.3	99.3	98.4	98.5	98.6	49.2	99.5
r 500	į		92.3	93.3	95.5	96.3	97.1	97.8	97.9	78.3	90.3	98.4	98.7	98.8	99.4	99.5
( 400	•		92.3	93.3	95.5	96.3	97.1	97.8	47.9	98.3	98.3	98.4	98.7	98.8	99.4	99.5
.1 300			92.3	93.3	95.5	96.3	97.1	97.8	97.9	98.3	90.3	98.4	78.8	99.0	79.5	99.7
5 260			92.3	93.3	95.5	96.3	97.1	97.8	+1.9	98.3	99.3	98.4	98.3	99.0	99.5	99.8
100	1		92.3	93.5	95.5	96.3	97.1	97.8	97.9	98.3	98.	98.4	99.8	99.0	99.5	99.8
	1		92.2	93.4	95.6	96.4	97.2	97.9	98.0	98.4	98.4	98.5	99.0	99.1	99.1	100.0

ŀ

ţ

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIFILITY FROM HOURLY OBSERVATIONS

PERIOD OF PECORD: 77-86

MONTH: NOV HOURS(EST): 1200-1460 STATION NUMBER: 042020 STATION NAME: THULE AB GL ............... CEILING VISIBILITY IN STATUTE MILES
IN 1 GE GE GE GE GE GE GE GE GE GE
FEET | 10 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 7/4 GE G.E GF 74 1 7/4 5/8 1/2 5/16 1/4 C NO CEIL I GF 200001 GE 180001 GE 16000 | GE 140001 GF 100001 6 F 80001 7000 U.F. 60001 78.8 80.1 83.8 87.5 5000 | 4500 | 77.1 78.2 81.2 77.8 79.0 82.5 85.9 79.0 80.3 84.1 87.7 79.0 80.3 84.2 87.8 80.1 81.3 85.2 89.0 89.3 81.5 85.4 89.2 90.5 81.8 85.6 89.4 79.5 80.8 £0.9 82.1 1.1 79.5 79.7 70.7 8N.9 81.0 84.9 88.5 81.0 84.9 88.5 80.8 87.1 84.6 88.3 84.6 86.0 86.0 6 E 40001 84.4 89.7 35001 ьF 3900 i 87.2 88 -8 90 - 7 90.9 91.0 91.7 92.5 92.7 91.1 2500 l 200n l G E 89.5 91.2 91.5 93.4 91.8 92.5 94.5 92.5 97.7 92.7 93.2 95.3 94.1 94.5 89.4 94.9 94.9 95.8 96.U 96.5 96.5 95 · 8 18001 89.7 91.6 93.7 94.1 95.0 95.0 95.3 96.2 92.4 95.3 96.6 96.9 1.5 15001 90.5 95.0 96.0 96.6 46.9 97.8 96.1 98.5 98.5 12001 92.5 90.7 96.8 98.4 9.0 96.1 inopi 20.7 GE 92.5 95.1 95.4 97.3 97.3 97.7 98.2 98.5 97.1 99.1 96.1 96.9 96.9 99.1 99.5 99.5 9001 90.7 92.5 92.5 95 · 1 95.4 96 · 1 96.9 96.9 97.0 97.3 97.3 97.7 98.2 98.6 98.5 99.1 99.5 98.2 98.2 G F 8601 90.7 99.0 700 95.1 75.4 96.9 97.7 97.7 G E 6001 90.7 92.5 95.1 95.4 96.1 96.9 97.7 97.7 98.2 99.6 99.0 99.5 94.5 95.2 95.2 95.2 97.7 97.8 97.8 97.8 98.2 98.3 98.3 98.3 6 E 6 E Sant 90.7 92.5 92.5 95.4 95.6 96 **.** 1 96.9 97.0 97.0 97.2 97.7 97.8 94.6 99.0 99.5 99.5 99.1 90.7 99.7 4001 96.2 96.2 98.7 99.8 3001 92.5 95.6 97.0 97.0 97.2 97.8 97.8 S F 90.7 98.7 49.7 99.8 99.9 GE 90.7 96.2 99.0 100.0 1001 99.9 100.0 98.5 99.0 99.9 100.0

TOTAL NUMBER OF OBSERVATIONS:

978

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

CEILING IN 1 GE GE FEET 1 10 6	GE GE S 4	GE GE 3 2 1/2	VISIBILITY GE GE 2 1 1/2	IN STATUTE MI GE GE	LES GE GE	GE GE 1/2 5/16	GE GE	•••
IN I GE GE FEE! I 10 6 NO CEIL	5 4	3 2 1/2	GE GE 2 1 1/2	GE GE 1 1/4 1	GE GE			
							1/4 0	
6.5. 2000D.								
uf 18000  uf 16000  uf 16000  uf 14000  uf 12000								
GE 10000  GE 9000  GE 8000  GE 7000  GE 6000								
GE 5000   GE 4500   GE 4000   GE 3500   GE 3000	78.4 79.4 79.2 80.2 80.9 82.5 84.1 85.9 86.6 88.5	80.7 80.9 81.5 81.7 84.0 84.2 87.6 87.9 90.4 90.8	81.1 81.2 81.9 82.0 84.4 84.5 88.2 88.3 91.0 91.1	81.2 81.3 82.0 82.1 84.5 84.6 88.3 88.4 91.1 91.2	81.5 A1.6 82.3 82.4 84.8 84.9 88.5 88.6 91.4 91.5	82.1 82.3 32.9 83.0 85.4 85.6 89.3 99.4 92.2 92.3	82.4 82.6 83.2 83.4 85.7 85.9 89.5 89.8 92.4 92.6	
GE 25001 GE 20001 GE 18001 GE 15001 GE 12001	87.5 89.8 88.9 91.4 89.4 91.9 89.5 92.0 89.9 92.4	91.7 92.0 93.5 93.9 94.1 94.7 94.4 95.0 94.8 95.3	92.3 92.4 94.3 94.4 95.3 95.4 95.9 96.0 96.4 96.5	92.4 92.5 94.4 94.7 95.4 95.7 96.0 96.2 96.5 96.7	92.6 92.7 94.8 94.9 95.8 95.9 96.4 96.5 96.8 96.9	93.4 93.5 95.6 95.7 96.6 96.7 97.2 97.3 97.6 97.7	93.6 93.9 95.8 96.0 96.8 97.0 97.4 97.6 97.8 96.1	
GE 10001 GE 9001 GE 6001 GF 7001 GE 6001	89.9 92.4 89.9 92.4 90.1 92.6 90.1 92.6 92.1 92.6	94.3 95.3 94.8 95.3 95.0 95.6 95.0 95.6 95.0 95.6	96.4 96.6 96.4 96.6 96.6 96.8 96.6 96.8	96.6 96.8 96.7 96.9 96.9 97.2 96.9 97.2	9f.9 97.0 97.0 97.2 97.3 97.4 97.3 97.4 97.3 97.4	97.8 98.0 93.0 98.1 98.3 98.4 98.3 98.4 98.3 98.4	98.1 98.3 98.2 98.4 98.5 98.7 98.5 98.7 98.5 98.7	
6f 5001 6f 4001 6f 3001 6f 2001 6b 1001	90.1 92.6 90.1 92.6 90.2 92.7 90.2 92.7 90.2 92.7	95.0 95.6 95.0 95.6 95.1 95.7 95.1 95.7 95.1 95.7	96.6 96.8 96.6 96.8 96.8 97.0 96.9 97.2 96.9 97.2	96.9 97.2 96.9 97.2 97.2 97.4 97.3 97.5 97.3 97.5	97.3 97.4 97.3 97.4 97.5 97.6 97.6 97.7	98.3 98.4 98.3 98.4 93.6 98.7 98.7 98.9 98.7 98.9	98.5 98.7 98.5 98.7 98.9 99.1 99.0 99.2 99.0 99.9	

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PEPIDU OF RECORD: 77-86 MONTH: NOV HOURSILSTI: 1800-2000 STATION NUMBER: 042020 STATION NAME: THULE AB GL

CFI	LING				• • • • • • •	• • • • • • •	• • • • • • • •	V1511	BILITY	IN STATI	ITE MILE	S					
	N I	GΕ	GE	GE	GF	GE	Ģ€	GE	GF	GE	G€	SL	GI	SE	GE	6E	UF .
	ET	10	6	5	4		2 1/2		1 1/2		ì	3/4	5/8	1/2	5/16	1/4	C
	• • • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •		• • • • • •		• • • • • •	
N O	CEIL																
	200001																
	180001																
	160001																
	140001																
Ģ₽.	12000																
6 E	100001																
GF	90001																
ί L	80001																
GE	70001																
S F	60:00 l																
65	50001			78.0	78.9	79.3	79.4	79.7	80.0	80.0	80.3	81.3	83.3	80.4	30.5	n 1 • 1	F1.4
GE	45001			78.8	79.7	80.0	80.2	80.5	80.8	80.8	81.1	81.1	81.1	81.2	P1.3	51.9	82.2
GF	40001			82.5	83.8	84.2	84.5	84.8	85.1	85.1	85.4	8 . 4	85.4	85.5	A5.6	86.2	P6.5
υ£.	35001			85.6	8ь.5	87.1	87.3	87.6	88.0	88.0	P8.3	BP.3	88.3	89.4	68.7	49.2	P4.6
ĢΓ	3C DO			89.5	31.0	91.8	92.1	92.4	92.7	92.7	93.1	71.1	93.1	93.2	03.4	94.0	94.3
6 F.	25001			90.6	92.4	93.2	93.4	93.8	94.1	94.1	94.4	94.4	94.4	94.6	94.8	95.4	95.7
CF	20001			91.6	93.4	94.6	94.8	95.2	95.6	95.6	96.0	96 • B	96.U	96.1	96.4	96.9	91.3
CE	1800			91.8	93.7	94.8	95.0	95.5	95 .8	95.R	96.3	96.3	96.3	96 • 4	96.6	97.2	97.5
GE.	15001			92-0	93.8	94.9	95.1	95.9	96.3	96.3 96.7	96.7 97.2	96 • 7 97 • 2	96.7 97.2	96.8	97.1 97.5	97.6	96.0
υt	12001			92.4	94.2	95.4	95.6	96.4	96.7	40.1	41.2	91.2	41.2	91.3	41.5	98.1	96.4
G E	10001			92.5	94.3	95.5	95.7	96.5	96.9	96.9	97.4	97.4	97.4	97.6	97.8	4 R . 4	98.8
Gf.	9 U D J			92.6	94.4	95.6	75.€	96.6	97.1	97.1	97.5	97.5	97.5	97.7	98.0	98.5	98.9
(, F	8001			92.6	94.4	95.6	95.8	96.6	97.1	97.1	97.5	97.5	97.5	97.7	98.0	4A.5	96.9
GE	7601			92.9	94 • 7	95 • 8	96.6	96 • 8	97.3	97.3	97.7	97.7	97.7	98.0	98 • 2	98.6	99.1
SE	6001			97.9	94.7	95.8	96.0	96.8	97.3	97.3	97.7	97.7	97.7	98.3	98.2	94.8	99.1
ω£	5001			92.9	94.7	95.A	96.0	96 . 8	97.3	97.3	97.7	97.7	97.7	98.0	98.2	98.8	99.1
υE	4301			92.9	94.7	95.8	96.0	96.8	97.3	97.3	97.7	97.7	97.7	98.0	98.2	98.8	99.1
ÜΕ	3001			92.9	94.7	95 • 8	96.0	96.8	9:.3	97.3	97.7	97.7	97.7	98.2	98.4	99.2	99.5
6.5	2001			92.9	94 - 7	95.8	96.D	96 • 8	97.3	97.3	97.7	97.7	97.7	98.2	98.4	99.2	99.5
GE	ומכו			92.9	94.7	95.8	96.0	96.8	97.3	97.3	97.7	97.7	97.7	98.2	98.4	99.2	100.0
⊌ E	0.1			92.9	94.7	95.8	96.0	96.8	97.3	97.3	97.7	97.7	97.7	98.2	98.4	99.2	100.0

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

					011412								HONTH		HOURS	(LST): .		60
	LING	• • • •	• • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • •		• • • • • • • • • • • •
1 37	N E T		10	6 E	er e	G F 4		GE 2 1/2	G E	GE 1 1/2	GE	GE 1	C.E 374	51 578	S L 1/2	5/16 5/16	GE 174	C ŧ
	CEIL		••••	•	• • • • • • •		•••••			• • • • • • • •								
G f G f G E	2000 1800 1600 1400 1400	3 ( 3 (																
6 E 6 F 6 E 6 E	10001 9001 9008 9001 9001	3   3   3																
6 E 6 E 6 E 6 E	\$6.00 45.00 4000 35.00 3000	n i n i n i			77.9 79.0 83.2 85.6 89.1	78 • 5 79 • 5 84 • 2 86 • 7 90 • 2	79.0 80.7 84.6 87.1 90.9	79.3 80.3 85.1 87.6 91.4	80.0 81.1 85.9 88.4 92.2	80 •1 81 •2 86 •0 88 •5 92 •3	80.1 61.2 86.0 88.5 92.3	80.3 81.5 86.5 89.6 92.7	67.4 81.6 86.5 69.1 92.3	80.4 81.6 86.6 89.1 92.8	87.9 82.0 87.0 89.5 93.3	PU.7 P2.8 P7.8 P7.8 P3.5	81.6 82.7 87.7 90.2 94.0	F1.7 F2.6 F7.6 F0.3
6 F 6 E 6 E 6 F	2500 2000 1800 1500 1200	0   7   9			89.8 90.8 91.1 91.1 91.4	91 .U 92 .U 92 .4 92 .4 92 .6	91.7 92.9 93.3 93.3	92.2 93.4 93.7 93.7 94.0	92.9 94.5 94.9 94.9 95.1	93.1 95.0 95.3 95.3	93.1 95.0 95.3 95.3	93.5 95.7 96.0 96.0 96.2	97.6 97.8 96.1 96.1 96.4	93.6 95.8 96.1 96.1 96.4	94.1 95.7 96.6 96.6 96.8	94.1 96.2 96.6 96.6	,4.8 96.9 97.3 97.5	94.0 97.6 97.4 97.4 97.6
6 f 6 f 6 f 6 f 6 f	1001 901 801 701 601	n ( n ( n (			91.6 91.8 91.8 91.6 91.8	92 · 8 93 · 1 93 · 1 93 · 1	93.7 94.0 94.0 94.0 94.0	94.2 94.4 94.4 94.4	95.4 95.7 95.9 95.9	95.9 96.1 96.4 96.4	95.9 96.1 96.4 96.4	96.8 97.0 97.3 97.3	96.9 97.2 97.4 97.4 97.4	96.9 97.2 97.4 97.4	97.6 97.8 99.1 98.1 98.1	97.6 97.6 98.1 98.1	98.3 98.5 98.7 98.7	9 t . 4 9 f . 6 9 t . 9 9 t . 9 0 f . 9
6 f 5 f 6 f 6 f 5 f	* 01 * 0! * 0! ? 0! ! 0!	9 i 9 i 9 i			91.9 91.9 91.9 91.9	93 · 1 93 · 2 93 · 2 93 · 2 93 · 2	94.1 94.1 94.1 94.1	94.4 94.5 94.5 94.5	95.9 96.0 96.0 96.3 96.0	96.4 96.5 96.5 96.5 96.5	96.4 96.5 96.5 96.5 96.5	97.3 97.4 97.4 97.4	97.4 97.5 97.5 97.5 97.5	97.4 97.5 97.5 97.5 97.5	98.1 98.2 98.3 98.4 98.4	98.1 98.2 98.3 98.4 98.4	98.7 99.0 99.1 99.2 99.2	98.9 99.1 49.2 99.3
G.F		n <b>I</b>			91.9	93.2	94.1	94.5	96.0	96.5	96.5	97.4	97.5	97.5	28.4	98.4	99.2	100.0

GLUBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

AIR WEATHER SERVICE/MAC STATION NUMBER: 042023 STATION NAME: THULE AR GL PERIOD OF PECOPO: 77-86 MONTH: NOV HOURS (LST): ILING VISIBILITY IN STATUTE MILES CEILING GE GE GF GE GE 6 5 4 3 2 1/2 C.E. GE GF GE GE 2 1 1/2 1 1/4 1 G t 5 / A 5£ 5£ 1/2 5/16 IN I GE FEET | 10 1/4 NO CEIL I 6F 208001 6F 180301 GF 160001 GE 14000 5E 120001 65 100001 ۶ ز acon1 7000 .. 1 60001 80.6 87.1 86.1 87.1 97.1 50001 45001 80.6 82.1 91.5 92.5 Fb.0 89.6 51.6 53.0 67.1 61.6 83.2 87.3 6 E 79.9 80.4 80.7 81.9 A2.4 H6.5 89.5 79.5 82.9 85.6 P0.5 84.2 87.1 81 •9 85 •8 68 •9 81.1 85.0 88.0 81.4 85.3 88.3 81.6 85.6 88.6 82.. 86.2 SE 55.7 68.9 96.1 89.1 40001 35001 47.2 46.4 91.0 25001 89.6 93.7 92.5 92.9 93.1 93.6 93.1 ιſ 91.9 94.2 94.8 95.7 95.4 96.0 97.0 97.3 18001 90.2 90.7 91.9 93.8 93.7 94.6 94.6 94.9 95.5 95.5 95.1 05.5 96.1 46.5 G.E 25.1 96.1 76.7 46. 1 15001 91.2 93.1 94.6 95.1 96.1 96.2 95.5 94.55 76.6 97.1 97.7 98.1 91.4 96.5 96.8 94. 4 12001 91.5 95.4 94.3 95.4 96.1 76.5 96.3 95.1 95.1 95.2 06.3 1.80 91.7 96.3 96.4 96.8 96.9 96.8 96.9 97.4 6.5 10001 93.5 95.6 97.5 97.5 97.9 96.7 96.9 9011 93.6 27.4 91.4 97.5 98.0 91.7 95.6 96.9 6.1 gan t 91.7 93.6 95.7 96.5 96.5 27.0 97.0 97.1 97.5 97.6 98 • 1 98 • 2 94.3 98.9 94.1 93.6 95.2 97.0 97.6 1, E 91.8 6.1 6001 91.8 95.2 25.7 96.5 97.0 97.1 97.6 97.6 97.7 98.2 98.3 44.9 99.1 98.2 5601 91.0 97.6 91.7 98.3 99.0 99.2 6.5 4001 3001 93.7 95.2 95.3 95.7 95.7 96.5 96.5 97.0 97.1 97.1 97.1 97.6 91.1 91.1 91.1 97.8 99.2 98.3 99.7 99.2 91.8 98.4 93.7 91.6 97.8 98.5 99.1 99.4 97.1 99.2 99.5 t, E 2001 91.8 93.7 95.3 95.7 96.6 97.1 27.6 97.E 78.4 98.5 91.6 1001 93.7 97.1

TOTAL NUMBER OF ORSERVATIONS: 6996

93.1

91.1

95.3 95.8

96.6

97.1

97.1

97.1 97.7

97.6 98.4

38.6

49.3 106.0

61

0.1

GLOBAL CLIMATOLOGY BRANC USAFETAC AIR WEATHER SERVIL (14C

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

				_	ON NAME:							MONTH	: DEC		(LST):		
	IL I1:6	• • • • • •		•••••	• • • • • • •	• • • • • •	• • • • • • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
F	EET I	6E 10	6E 6	GE 5	6 F 4				GF 1 1/2		GE 1	GE 3/4	5 ( 5 / 8	GE 1/2	GE 5/16	GE 1/4	GF U
	CEIL																
6 E 6 E	20000   18000   16000   14000   12000																
6 E 6 F 6 F 6 F	8000 7000																
6 E 6 E 6 E 6 E	45 00   40 00   35 00			85.9 85.0 86.1 87.1 87.1	85 • 1 86 • 2 87 • 3 88 • 3 88 • 3	85.8 86.9 88.1 89.3	85.8 86.9 88.1 89.4 89.4	86.4 87.5 88.7 90.1 90.1	86.4 87.5 88.7 90.1	86.5 87.7 88.9 90.3	86.8 88.0 89.2 90.6 90.6	86.8 98.0 69.7 90.6 90.6	86.6 88.0 89.2 90.6 90.6	87.5 88.7 89.9 91.3 91.3	97.6 88.8 90.0 91.4 91.4	87.6 58.8 90.0 91.4 91.4	87.7 88.9 90.1 91.5 91.5
GE GE GF GF	2500   2000   1800   1500   1200			87.6 89.1 89.4 89.8 90.3	88 .8 90 .3 90 .6 91 .2 91 .7	90.0 91.8 92.2 92.7 93.2	90.1 91.9 92.3 92.8 93.4	90.7 92.6 92.9 93.6 94.1	90.7 92.6 92.9 93.6 94.1	91.0 92.8 93.1 93.8 94.3	91.3 93.1 93.5 74.1	91.3 93.1 93.5 94.1 94.7	91.3 93.1 93.5 94.1 94.7	91.9 93.8 94.1 94.8 95.3	92.0 93.9 94.2 94.9 95.4	92.0 93.9 94.2 94.9 95.4	92 • 2 9 • • 0 9 • • 3 9 5 • 3 9 5 • 9
6E 6E 6E 6E	1909 900 800 700 600			90.6 90.6 91.6 91.0	72.0 72.0 92.4 72.4 92.4	93.6 93.6 93.9 93.9	93.7 93.7 94.0 94.0	98.4 94.4 94.8 94.8	94.6 94.6 94.9 94.9	94.8 94.8 95.1 95.1	95.1 95.1 95.4 95.4	95.1 95.4 95.4 95.4	95.1 95.1 95.4 95.4	95.8 95.8 96.1 96.1	95.9 95.9 96.2 96.2 96.2	95.9 95.9 96.2 96.2 96.2	96 • 3 96 • 3 96 • 6 96 • 6 96 • 6
61 61 61 61	500 400 300 200 100			91.0 91.0 91.0 91.0 91.0	92.4 92.6 92.7 92.8 92.8	93.9 94.1 94.2 94.3	94.0 94.2 94.3 94.4	95.1 95.3 95.4 95.5 95.5	95 • 2 95 • 5 95 • 6 95 • 8	95.8 96.1 96.2 96.3 96.3	96.4 96.6 96.7 96.7	96.1 96.5 96.7 96.8 96.8	96.1 96.5 96.7 96.8 96.8	96.7 97.4 97.6 58.0	96.8 97.5 97.7 98.1 98.1	96.8 97.5 97.7 98.3 98.5	97.3 07.9 96.3 99.0 99.6

OF 0] 71.0 92.8 94.4 94.6 95.6 95.9 96.4 96.8 96.9 96.1 98.1 98.3 98.6 100.0

TOTAL NUMPER OF CRSERVATIONS:

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PEPIOD OF PECOPO: 77-86 MONTH: DEC HOURS(LST): 0300-0500 STATION NUMBER: 042020 STATION NAME: THULE AB GL

											MUNITH			17211:	-	
FILING		• • • • • •	• • • • • • • •		• • • • • •	• • • • • • •				JIE MILE		• • • • • • •		• • • • • • •	• • • • • • •	
TH	GE	GE	GE	GE	GE	GE	GE	GF	GE	GE	6£	61.	GE	GE	GΕ	U.F
EET 1	10	6	5	4		2 1/2		1 1/2		1	3/4	5 / 6	1/2	5/16	1/4	0
	•••••	• • • • • •	• • • • • • •		• • • • • • • •				• • • • • • •		• • • • • •	• • • • • • •			• • • • • •	• • • • • •
CEIL																
200001																
180001																
16000   14000																
120001																
120.001																
100001																
90001																
80001 70001																
. 7000  . 6000																
5060			85.6	86.5	1.88	88.1	88.5	88 . 6	88.6	88.8	89.1	99.2	80.2	99.2	89.2	₹9.2
4500			87.5	98.4	90.0	90 • D	90.4	90.5	90.5	90.7	91.0	91.2	91.2	91.3	91.3	71.4
40001 35001			88.7 90.1	89.6 91.3	91.3 92.9	91.3 92.9	91.6 93.3	91.7 95.4	91.7 93.4	91.9	97.5	92.6 94.3	92.6 94.3	92.7	92.1 94.4	92.8 94.5
3000			90.1	91.3	92.9	92.9	93.3	93.4	93.4	73.6	94.7	94.3	94.3	94.4	94.4	94.5
			,,,,		, , ,		,,,,,									,
2507			90.1	91.3	92.9	92.9	93.3	93.4	93.4	93.6	94.2	94.3	94.3	94.4	94.4	94.5
20Un			91.3	92.5	94.4	94.4	94.7	94.8	94.8	95.1	95.6	95.7	95.7	95.9	95.9	96.0
E 1800 ( E 1500 (			91.4 91.6	92.6	94.5	94.5 94.7	94.8 95.4	95.0 95.5	95.0 95.5	95.2 95.7	95.7 96.3	95.9 96.4	95.9 96.4	96.0 96.5	96.0 96.5	46.1
12001			92.2	92 •8 93 •4	94.7 95.3	95.3	96.0	96.1	96.1	96.3	96.9	97.0	37.0	97.1	97.1	97.3
•••••				,,,,,	,,,,	.,,,,	,,,,		,	, 0.3	• • .		,,,,,			.,,,
lougt 3			92.2	93.4	95.3	95.3	96.0	96.1	96.1	96.4	97.0	97.1	97.1	91.2	97.2	97.4
1000			92.2	93.4	95.3	95.3	96.0	96.1	96.1	96.4	97.0	97.1	97.1	97.2	97.7	97.4
1003			97.6	93.6	95.7	95.7	96.4	96.5	96.5	96.9	97.4	97.5	97.5	97.6	97.6	97.9
7001 6001			92.6 92.6	93.8 93.8	95.7 95.7	95.7 95.7	96.4 96.4	96.5 96.5	96.5 96.5	96.9 96.9	97.4 97.5	97.5 97.6	97.5 47.6	97.6 97.8	97.6 97.8	97.9
0.007			77.0	73.0	7,00	73.1	70.4	70 • 3	70.7	70.7	* . • ,	,,,,	*140	****	7	, 0 • 1
5001			92.6	93.8	95.7	95.7	96.9	97.1	97.1	97.4	98.1	98.2	98.4	98.5	₹8.5	99.0
4601			92.6	95.8	45.7	95.7	96.9	97.1	97.1	97.4	9 P . 1	98.2	9 . 4	98.5	48.5	99.1
3001			92.6	95.8	95.1	95.7	96.9	97.1	97.1	97.4	94.1	98.2	98.4	98.5	98.7	99.2
2301			97.6	93.0	95.7	95.7	96.9	27.1	97.1	97.4	90.1	94.2	98.8	78.9	99.0	99.6
1001			97.6	93.8	95.7	95.7	96.9	97.1	97.1	97.4	95.1	98.2	98.8	98.9	99.1	99.7
01			97.6	95.8	95.7	95.7	96.9	97.1	97.1	97.4	98.1	98.2	98.9	99.0	99.2	100.0

TOTAL NUMBER OF DRSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

AIR WEATHER SERVICE/MAC STATION NUMBER: 042020 STATION NAME: THULE AE GL PEPIOD OF RECORD: 77-86 MONTH: DEC HOURS(LST): 0600-0800 G VISIBILITY IN STATUTE MILES CEILING 0 NO CETE 1 6F 200001 GF 18000 SE 160001 68 14C001 6F 12CDD 90001 8000 G F 70001 60001 89.1 91.6 93.4 50001 85 .8 87.2 87.3 87.7 89.7 91.5 92.7 89.8 91.6 92.9 90 ·1 91 ·9 93 ·3 90.1 91.9 93.3 90.7 92.5 93.8 90.7 92.5 93.8 47001 86.9 98.2 90.6 91.3 91.5 91.6 GΕ 90.1 91.9 93.3 6.1 93.5 95.4 37601 89.6 95.6 94.0 94.7 94.9 95.1 94.5 95.3 95.4 95.9 94.5 95.3 95.4 95.9 94.5 95.3 95.4 95.9 25 00 1 90.6 91.7 92.5 94.2 95.0 95.0 95.1 95.1 95.6 95.9 96.0 96.1 90.8 95.7 95.9 96.5 97.0 20001 96.0 96 . C 96.8 96.9 6 t 95.1 95.3 96.1 96.5 96.1 96.6 97.1 96.9 SE 16001 92.6 97.0 97.1 92.8 96.3 97.5 1500 | 1200 | 91.2 97.4 95.7 95.9 95.9 97.1 97.2 97.2 97.2 96 • 5 96 • 6 96 • 6 96.5 96.6 96.6 16001 96.5 91.9 97.4 97.4 93.u 93.6 96.1 96.1 96.6 97.4 97.4 98.2 G.F 9001 98.0 98 - 3 98.4 1008 98.4 G.F 7061 91.9 93.6 95.9 96.1 96.6 96 .6 96.6 97.4 97.4 98.0 98.2 98.3 98.4 6 F 93.6 6001 91.9 96.1 96.6 96 .6 5001 98.8 98.9 91.9 97.4 97.6 98.4 98.7 6: 93.6 96.0 96.2 96.9 96.9 96.9 97.6 99.1 99.6 99.7 61 400 91.9 93.6 96.1 97.0 97.1 97.0 97.0 97.5 97.6 97.8 97.9 97.8 98.7 98.8 98.9 99.0 26.3 97.6 2001 93.6 97.1 97.9 97.4 Ġί 96.1 96.3 tant 97.1 97.1 99.1 100.0

TOTAL NUMBER OF OPSERVATIONS: P

91.9

96.1

76.3

97.1

97.1

97.1

97.6

97.9

97.9

98.9

99.1

99.3 100.0

0 **L** 

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): D980-11DB STATION NUMBER: 042020 STATION NAME: THULE AB GL CEILING
IN | GE
FEET | 10 NO CETL I GE 230001 GE 18000 GE 14000 6E 12000 PE 10000] GΕ 90001 8000 ÜΕ 7000. 60001 85.6 87.9 90.7 50001 84.7 84.7 85.0 83.0 83.6 U.E. 45001 40001 85.0 85 .7 68 .1 87.0 89.5 87.3 97.9 8°.0 88.0 90.8 88.4 91.1 88.4 71.1 69.6 91.3 91.3 GE 97.U 87.9 89.6 90.7 u.F 92.2 92.4 3500 87.9 88.9 90.4 90.5 91.0 92.2 91.8 3000 90 .2 91.7 92.3 92.8 93.0 G € 38.9 97.8 93.0 93.7 93.8 94.1 94 - 1 94.5 94.3 υE 25001 89.6 90.9 92.4 92.5 91.5 93.5 94.8 6 E 20001 90.0 91.3 92.8 93.0 93.4 94.0 94.0 94.1 94.2 94.2 94.6 24.6 GE. 18001 90.1 91.5 93.7 93.1 93.8 93.5 94.5 94 .1 95 .2 94 • 1 95 • 2 94.2 95.4 94.1 94.3 94.7 94.7 94.9 GE 1500 ( 90.8 95.5 95.8 12001 91.5 92.8 94.5 95.2 96.5 96.5 96.9 96.9 97.1 10001 92.0 95.4 94.9 95.0 95.7 96.8 97.1 97.2 97.2 97.6 97.6 97.8 97.8 96 . 8 97.6 6F 9001 92.0 93.4 94.9 95.0 95.7 96.8 97.0 96.8 97.0 97.1 97.3 97.2 97.2 97.5 97.6 97.8 96.2 95.2 95.2 G F 92.3 95.3 97.9 97.9 98.2 96.5 1008 96.0 97.5 97.6 48.3 98.5 96.6 96.8 6 E 7 GO I 92.3 93.7 95.3 96.0 97.1 97.1 97.6 98.0 98.0 6001 93.9 95.5 98.3 96.2 GE 5001 92.6 94.0 95.6 95.7 96.4 97.6 97.6 97.7 97.9 98.0 98.5 98.5 97.7 97.7 97.7 92.6 95.7 95.8 95.8 98.2 98.3 98.6 4001 74.0 96.5 98,0 98.2 98.6 48.8 99.2 99.5 99.0 G F 3001 94 . 4 96.5 97.7 98.3 98.2 98.7 94.0 99.5 94.8 99.1 99.5 6 F 1001 92.6 94 . 11 95.7 96.5 91.1 97.7 94.3 99.4 98.4 98.8 78.8 1.0 92.6 94 . () 95.7 95.8 96.5 97.7 97.7 98.3 40.4 98.4 98.8 98 - R 99.1 106.0

TOTAL NUMBER OF OBSERVATIONS: 867

. . . . . . . . . . . . . . .

GEOBAL CLIMATOLOGY RRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF RECORD: 77-86 MONTH: DEC HOURS (LST) + 1200-1400 CEILING GE NO CEIL | GE 200001 GE IBOUD! SE 160001 GE 14000 GF 120001 GE 100001 GE 90001 G F возоі 70001 GΕ 60001 5000 | 4500 | G E G F 84.0 84.7 86.2 88.2 91.2 86.6 88.7 91.8 86.7 88.8 91.9 96.8 98.9 92.0 87.1 89.1 92.2 85.5 86.5 85.R 98.7 89.4 92.4 93.5 88.6 91.5 91.6 88.6 91.6 88.9 92.0 40001 58.3 89.2 90.5 GE 35001 A9.7 91.2 91.5 92.2 92.6 92.7 92.7 92.8 30 un 1 94.6 95.1 25001 G f. 90.6 91.8 92.3 92.8 93.1 93.7 93.8 94.4 94.9 94.2 94.3 94.3 94.4 94.4 94.5 94.6 94.6 95.1 94.9 94.9 95.0 95.4 GE 20001 91.1 94.7 95.0 95.1 95.2 95.4 95.7 18601 91.5 94.2 GF 95.2 95.4 95.5 95.7 95.7 95.9 96.1 1500 92.1 95.9 96.0 96.1 96.0 96.1 96.3 96.2 96.3 96.6 96.8 12001 GL 95. n 95.7 93.7 93.7 94.2 95,2 95,2 95,8 95,9 GE GE 92.4 95.9 95.9 96.3 96.3 96.5 10001 96.2 96.3 96.5 96.8 97.0 96.8 97.0 92.9 93.0 96.3 96.9 96.8 97.3 97.9 96.2 96.7 97.3 97.5 GE 96.9 1008 96.5 96.8 97.1 97.7 97.7 96.2 7301 97.4 94.5 76.6 97.0 97.3 96.9 97.5 97.8 97.8 98.1 98.5 6 Ł inua 98.2 96.4 97.6 97.8 97.9 G E 5001 97.1 97.8 98.1 98.4 98.6 98.9 98.4 96.3 96.3 97.3 97.3 97.6 97.6 97.8 97.9 98.1 98.3 98.2 98.3 78.6 98.9 98.6 98.9 79.1 6 4601 93.4 94.6 98.9 ωf 3001 93.4 94 . ( 99.1 6.6 2001 93.4 94.6 96.3 97.3 97.6 97.9 97.9 98.3 99.4 98.5 99.4 1001 93.4 94.6 96.3 91.3 97.6 97.9 97.9 98.3 98.4 98.5 98.9 78.9 99.2 99.7 G F 01 93.4 96.3 97.3 94 . 6 97.6 97.9 97.9 28.3 98.4 98.5 98.9 98.9 99.2 100.0

TOTAL NUMBER OF OBSERVATIONS: 874

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

TATION	NU	MBER:	042020	STATION	NAME:	THUL	E AB	GL							DEPIOU	OF REC	ORD: 77	-86		
															HONTH	DEC	HOURS	(LST): 1	150C-17(	0.0
• • • • • •												• • •		• • • • • • •						
FILING									VIS	IBI	LITY	IN	STATE	JTE MILE	\$					
IN	1	CE	GE	GE	3€	GE	G	E	GE		GE		GE	GE	ć.₹	G€	GE	G٢	6£	GF
FLET	- 1	10	6	5	4	3	2 1	12	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
O CEIL	ı																			
	•																			
E 2000	n I																			
E 1800	-																			
1600																				
. 1000																				

GE	140001														
6 E	120001														
υE	100001														
G E	90001														
GE	8000														
ψF	70001														
GF	60001														
6 E	50061	83.5	84.0	64.6	85.0	85.5	85.5	85.6	86.1	86.1	86.1	86.1	96.3	86.3	86.3
GE	45001	84.8	85.4	85.9	86.7	87.2	87.2	87.3	87.8	87.8	87.6	87.8	87.9	87.9	87.9
GΓ	40001	88.2	8.83	89.5	90.3	90.8	90.6	90.9	91.5	91.5	91.5	91.5	91.6	91.6	91.6
Ŀ f	3500	87.7	90.4	91.1	91.8	92.4	92.4	92.5	93.1	97.1	93.1	93.1	93.2	93.2	93.2
G E	30001	90.6	91.5	92.3	93.1	93.6	93.6	93.7	94.3	94.3	94.3	94.3	94.4	94.4	94.4
6 €	2500	91.3	92.3	93.1	93.9	94.4	94.4	94.5	95.1	95.1	95.1	95.1	95.2	95.2	55.2
G F	200n l	92.0	93.0	93.7	94.5	95.1	95.1	95.2	75.8	95.3	95.6	95.8	95.9	95.9	95.9
S f.	1800	92.2	93.2	94.1	74.9	95.4	95.4	95.5	36.1	94.1	96.1	96.1	96.2	96.2	96.2
G-E	1500	92.7	93.7	94.6	95.4	96.4	96.4	96.5	97.1	97.1	97.1	97.1	27.2	97.2	97.2
υE	15001	92 • 7	93.7	94.6	95.4	96.4	96.4	96.5	97.1	97.1	97.1	97.1	97.2	97.2	97.2
⊌£	1000	92.8	94.0	95.0	95.₺	96 . B	96.5	97.0	97.5	97.5	97.5	97.5	97.7	97.7	91.1
C E	9001	92.8	94 . 0	95.0	45.8	97.0	97.0	97.7	97.8	97.A	91.8	97.8	97.9	47.9	97.9
(, F	FUOI	93.L	94.1	95 • 1	95.9	97.1	97.1	97.3	97.9	97.9	97.9	98.0	98.1	98.1	96.1
υf	700	93.L	94 . 1	95 • 1	75.9	97.1	97.1	97.3	97.9	97.9	97.4	99.0	98 - 1	98.1	96.1
G F	FOLI	93.L	94.1	95.1	95.9	97.3	97.3	97.5	98.1	98.1	99.1	99.2	08.3	98.3	96.3
u f	5601	93.u	94.1	95.1	96.0	97.4	97.4	97.7	98 . 2	98.7	98.2	99.3	98.4	98.4	96.4
6.8	400	93.3	94.4	95.4	96.3	97.8	97.8	98.0	98.5	94.5	98.5	98 • 7	9.89	99.8	96.8
61	3001	93.4	94.5	95.5	96.4	97.9	97.9	98.1	98.7	99.7	98.7	98.8	98.9	98.9	96.9
υE	2001	93.5	94.7	95 • B	36.6	9R . 2	98 .2	98.4	93.0	00.0	99.0	99.2	99.3	99.3	99.3
G E	1001	93.5	94.7	95.8	96.6	98.2	98.2	98.4	99.C	99.()	00.0	94.2	99.5	99.3	99.7
G.F.	0	93.5	94.7	95.8	96.6	98.2	98.2	98.4	29.0	99.8	29.6	99.2	99.3	99.3	160.0
		 	,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7912	70 42	76.4	* * * U	7 7 • ()		77.6			100.0
		 													• • • • • • •

TOTAL NUMBER OF OBSERVATIONS: 895

# GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCUPRENCE OF CEILING VERSUS VISIBILITY OBSERVATIONS

	NUMBER: U										HINCH	DEC		(LŠT): 1		
EILING IN FEET	GE	6 E	6 E 5	6 E 4	GE 3	6E 2 1/2	0 L 0 L 2	GE 1 1/2	IN STATI GE 11/4	TE ⊭ILI GE 1	ES GE 7/4	G f 5 / 8	GE 1/2	GE 5/16	GE 174	G E
		•••••	••••	• • • • • • •	••••	•••••	• • • • • •		• • • • • • •	•••••	• • • • • •		• • • • • •		•••••	
u CFIL	i															
20000	1															
18000																
16000																
F 14000 F 12000																
12000	•															
10000	I															
E 9000																
E 8000																
F 70-00																
, 0100	,															
f รถลด	1		85.4	85 . B	66.2	86.3	86.3	86.3	86.3	96.7	86.A	86 . 8	86.9	86.9	66.9	87.0
r 4500	1		46.2	87.0	87.5	87.9	87.9	R7.9	87.9	A8 . 2	99.3	98.3	98.5	98.5	88.5	86.6
1 4000			89.4	89.4	90.1	90.5	90.7	90.7	90.7	91.0	91.1	91.1	91.3	91.3	91.3	91.4
3500			89.9	90.9	91.8	92.1	92.3	92.3	92.3	92.6	97.7	92.7	93.0	93.0	97.0	93.1
។ 30 ប្រ	1		91.C	92.2	93.1	93.4	93.6	93.6	93.6	93.9	94.0	94.0	94.3	94.3	94.3	04.4
r 25u0	1		91.5	92.8	93.7	94.0	94.3	94.3	94.3	94.6	34.7	94.1	94.9	95.0	95.0	95.1
t 2000			92.5	93.9	94.8	95.1	95.3	95.3	95.3	95.7	95.8	95.8	96.0	96.1	96.1	96.2
F 18JU	H		97.5	95.9	94.8	95.1	95.3	95.3	95.3	95.7	95.9	95.8	96.0	96.1	96 • 1	96.2
F 1500			92.6	94.3	95.1	95.4	95.9	95.9	95.9	96 + 2	96.3	96.3	96.5	96.7	96.7	96.9
1200	· i		92.8	94.3	95.1	95.4	95.9	95.9	95.9	96.3	96.4	96.4	96.6	96.9	96.9	97.U
L 1000			93.6	94.9	95.8	96.1	96.5	96.5	46.6	97.1	97.2	97.2	97.4	97.6	97.6	97.9
r 900			93.0	94.9	95.8	96.1	96.5	96.5	96.6	97.1	97.7	97.2	97.4	97.6	97.6	97.9
E 800	i		93.L	94.9	95.8	96.1	96.5	96.5	96.6	97.1	97.2	97.2	97.4	97.6	97.6	77.9
F 700			93.L	94.4	95.B	76.1	96.5	96.5	96.6	97.1	91.2	97.2	97.4	97.6	47.6	97.4
E 600	1		93.0	94.9	95.4	06.1	96.5	96.5	96.6	97.1	97.2	97.2	97.4	97.6	97.6	97.9
F 500	1		93.1	95.0	95.9	26.2	96.6	95.6	96 • 7	97.2	97.3	97.3	97.6	97.9	97.9	98.3
F 400			93.5	95 • 2	96.1	96.4	96.9	96.9	97.0	97.4	97.5	97.5	97.8	98.2	98.2	98.5
F 3un			93.7	95 . 7	96.5	96.9	97.3	97.3	97.4	97.8	97.9	97.9	98.3	98.6	48.6	98.9
5 200	1		93.8	95.9	96.7	97.1	97.5	97.5	97.6	98.0	98.2	98.2	98.7	99.0	99.0	99.3
F 100	1		93.8	95.9	96.7	97.1	97.5	97.5	97.6	98.0	98.2	98.2	73.7	99.0	99.2	99.7
			01.0													1
۱ (1	1		93.8	95.4	96.7	97.1	97.5	97.5	97.6	98.2	99.3	98.3	98.8	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 923

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

STA		R: 042020									MONTH		HOUPS	LST1: 7		
I F£	LING N   GI ET	la 6	GE 5	G f 4	GE 3	GE 2 1/2	5 GF A1216	GE 1 1/2	IN STATU GE 1 1/4	JTE MILE GE 1	.S GE 3/4	G( 5/8	GE 1/2	6E 5/16	GE 1/4	GE G
	CEIL I		•••••	• • • • • • •	• • • • • •	•••••	• • • • • •	• • • • • •	• • • • • • •			•••••		•••••	• • • • • •	
	200001															
	180001															
	16000]															
	140001															
O.E.	120001															
6.1	100001															
G F	១៣០៣ [															
Ų €	80.001															
G F	7000  6000															
G f	80001															
G F	50001		83.5	84.3	85.2	85.2	85.9	86.4	86.4	86.8	86.9	86.9	87.7	A7.7	87.7	87.7
ĢΕ	45001		84.6	85 - 5	66.5	86.5	87.2	87.7	67.7	1 . BA	89.7	88.2	89.0	29.0	89.0	89.2
L.F	40001		85.8	86.7	87.7	87.7	88.5	99.0	89.0	A9.4	89.5	89.5	90.3	20.3	90.3	96.5
6 E 6 E	3500] 3000]		87.U 87.4	87.9 88.5	8A.9 89.6	88.9 89.6	8°.7 90.5	90.3 91.0	90.3 91.0	90.7 91.5	97.8 91.6	90.8 91.6	91.6 92.4	91.6	91.6 92.4	91.8 92.7
O L	300011		07.4		0,.0	.,,,,	,,,	71.00	71.0	7			,,,,			72.1
υŧ	25001		87.7	88,5	90.0	90.0	90.8	91.4	91.4	91.8	91.9	91.9	92.7	92.8	92.8	93.1
l, f	2non I		88.9	90.0	91.4	91.4	92.2	92.8	92.R	93.2	93. 1	93.3	94 - 1	94.2	94.2	94.5
6 F	1800)		88.9	90 • 1	91.5	91.5	92.4	92.9	92.9	93.3	91.4	93.4	94.2	94.3	94.3	94.7
is€ is€	1500  1500		89.1 89.1	90 • 6 90 • 8	92.0 92.2	92 • G 92 • 2	92.9 93.1	93.6 93.8	93.6 93.8	94.C 94.2	94.1	94.1 94.3	94.9 95.1	95.0 95.2	95.0 95.2	95.4 95.6
	11007		• • •	, , <b>, ,</b> ,	72.02	,,,,,,		, , , , , ,					,,,,,	,,,,,	, , • •	7340
(, ٢	16001		89.5	91.2	92.6	92.6	93.4	94.1	94.1	94.5	94.7	94.7	95.5	95.6	95.6	96.1
GF	9001		89.5	91.2	92.6	92.6	93.4	94.1	94.1	94.5	94.7	94.7	95.5	95.6	95.6	96.1
6.5	8001		90.6	91.6	93.0	93.0	93.9	94.5	94.5 94.7	95.0 95.1	95.1 95.2	95.1 95.2	96.1	96 • 2 96 • 3	96.7	96.6
υξ. 6 <b>(</b>	7 U 0   6 0 0		90.1 90.1	91.7	91.1 93.1	93.1 93.1	94 • D 94 • D	94.7	94.7	95.1	91.2	95.2	96 • 2 96 • 2	96.3	96.3 96.3	96 • 7 96 • 7
				• • •	,,,,,		,	, , , , ,			. ••					
6 F	sunt		90.3	91.9	93.4	93.4	94.3	95.2	95.5	96.0	96.1	96.1	97.1	97.2	97.2	91.6
61	4001		90.6	92.2	93.A	93.8	94.7	95.5	95.9	96.3	96.4	96.4	97.4	97.5	97.5	97.9
GF	3001		90.8	92 • 6	94.2	94.2	95.1	96 • 1	96.4	97.2	97.3	97.3	98 • 3	98.4	95.6	99.0
GE	2001 1001		90.0 90.8	92.6 92.6	94.2	94.2	95.1 95.1	76 • I 96 • I	96.4 96.4	97.2 97.2	97.4	97.4 97.4	98.4 98.4	98.5 98.5	98.7 99.7	99.2 99.6
						•••	, , <b>.</b> .	70 • 1				,			. , • •	
6 F	01		911.6	92.6	94.2	94.2	95.1	96 . 1	96.4	97.2	97.4	97.4	98.4	98.5	98.7	100.0

TOTAL NUMBER OF OPSERVATIONS:

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VIRSUS VISIBILITY FROM HOURLY OBSERVATIONS

			4011 A 1 2								MONTH		HOURS	ILST):	ALL	
FILING	GE 1 10	GE 6	 6ε 5	6 F	GE			GE	IN STATU GE	JTE MILE GE 1	S GE	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE O
	• • • • • • •		• • • • • • •	• • • • • •		• • • • • • •	• • • • • •	• • • • •	• • • • • • •	• • • • • • •	• • • • • •					
0.0071																
O CEIL	1															
0,0000	t .															
E 18000	į															
E 16000	ı															
E 14000	į.															
E 15000	l															
F 9000																
F 8000	7															
£ 7000																
£ 6000	-															
	•															
F 5000	r		84.7	85 -0	85.9	1.68	86.5	86.6	66.6	86.9	87.0	87.1	87.4	87.4	87.5	87.6
E 4500	İ		85.7	86 .6	87.6	87.9	88.3	88.4	88.4	88.7	89.8	88.9	89.2	89.3	87.3	89.4
E 4000	I		87.6	88.6	89.8	90.0	90.5	90.6	90.7	91.0	91.1	91.1	91.5	91.5	91.6	91.7
E 350N				89.8	91.1	91.3	91.8	92.0	92.0	92.4	92.5	92.5	92.8	92.9	93.0	93.1
F 3000	ı		89.4	90.6	91.9	92.2	92.7	92.9	92.9	93.2	93.3	93.4	93.7	93.8	93.A	94.0
E 2560																0
E 2500 E 2000				91.0 92.0	92.4	92.7 93.7	93.1 94.2	93.3	93.3 94.4	93.7 94.7	93.8 94.8	93.8 94.9	94 • 1 95 • 2	94.2 95.3	94.3 95.4	94.4
E 1800				92.2	93.6	93.9	94.4	94.5	94.6	94.9	95.0	95.1	95.4	95.5	95.6	95.7
5 1500				92.6	94.1	94.4	95.0	95.2	95.3	95.6	95.8	95.8	96.1	96.2	96.3	96.5
F 1200				93.0	94.4	94.7	95.4	95.6	95.7	96.0	96.2	96.2	96.5	96.6	96.7	96.9
																- •
E 1000			91.6	93.3	94.7	95.0	95.7	95.9	96.0	96.4	96.5	96.6	96.9	97.0	97.1	97.3
t. 900				93.5	94.8	95.0	95.7	96.0	96.1	96.5	96.6	96.6	97.0	97.1	97.2	97.5
£ 600	-			93.5	95.j	95.3	96.0	96.3	96.3	96.7	96.9	96.9	97.3	97.4	97.5	97.8
F 7UN				93.6	95.1	75.3	96.0	96.3	96.4	96.B	96.9	96.9	97.4	97.5	97.5	97.8
£ 600	•		92.1	93.6	95.1	75.4	96.1	96.4	96.4	96.8	97.0	97.0	97.5	97.6	47.6	97.9
. 500			97.2	93.7	95.2	95.5	96.4	96.7	96.8	97.2	97.4	97.4	97.9	98.0	98.1	98.4
r 400				93.8	95.4	95.7	46.6	76.7	97.0	97.5	97.6	97.7	98.2	98.3	98.4	98.7
F 300				93.9	95.5	95.9	96.7	97.1	97.2	97.7	97.9	97.9	98.5	98.6	98.7	94.1
E 2u0				94.0	95.6	75.9	96.8	97.2	97.3	97.8	98.0	98.D	98.7	98.8	99.0	99.4
F 100			-	94 .0	95.6	95.9	96.8	97.2	97.3	97.6	98.0	98.0	98.7	98.8	99.1	99.7
E C	1		92.5	94 . U	95.6	95.9	96.8	97.2	97.3	97.8	98.0	98.1	99.7	98.9	20.1	100.0

TOTAL NUMBER OF ORSERVATIONS: 7179

# PERCENTAGE FREQUENCY OF OCCUMPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PEPIOD OF RECORD: 77-86
MONTH: ALL HOURS(LST); STATION NUMBER: 042020 STATION NAME: THULF AB GL CEILING GE O NO CEIL 1 GE 200001 GE 180001 GE 140001 GE 120001 GE 100001 GE 90001 GE 80001 70001 60001 scant 78.3 79.3 78.7 79.7 93.9 79.9 79.8 77.4 81.3 83.8 78 · 1 82 · 2 84 · 7 78.9 83.0 85.6 87.9 79.8 84.1 PO.3 80.4 84.7 76.5 80.4 76.4 82.5 79.2 83.4 80 • 2 84 • 4 84.9 6 E 45001 40001 83.5 GF. 35001 82.8 34.8 85.0 85.9 86.1 86.5 88.9 86.7 86.7 87.0 87.1 H7.3 3000 25001 85.8 91.0 GE. 87.0 89.5 90.1 90.3 90.7 91.2 88. 1 88.4 89.1 90.8 υE 20001 86.9 88 •2 89.4 89.8 90.5 90.9 91.1 91.6 91.7 91.8 92.2 92.3 92.5 92.7 91.7 91.7 92.7 93.0 91.2 18001 88 . 8 91.1 91.8 92.0 92.7 92.5 97.9 1500 90.1 90.5 ijΕ 12001 87.8 89.1 90.4 90.9 91.7 92.2 92.3 92.8 93.1 93.5 93.6 93.8 ( , f 10001 90.8 91.3 91.4 92.2 92.7 92.9 97.7 94.7 85.2 89.5 92.9 93.5 91.8 94.3 94.6 Q4 . A 93.0 93.7 93.9 94.7 95.0 9001 88.3 89.6 91.0 93.9 94.4 94.5 (,E (,F 800 | 700 | 89.8 91.2 92.5 92.8 93.1 93.3 94.U 94.2 94.2 94.7 95.1 95.3 86.5 91.6 94.9 95.3 95.1 6 E 38.6 91.8 95.5 6001 93.0 υE 5001 89.17 90.3 94.1 94.8 96.0 96.3 96.5 6 F 4001 89.1 90.5 92.7 92.5 93.6 94.2 94.4 95.2 95.5 95.6 96.1 96.3 96.5 96.8 97.1 3001 89.3 97.0 6 ! 94.8 96.0 98.0 97.6 89.4 90.8 93.8 94.4 υſ 2001 92.9 96.0 97.9 98.6 1001 99.0 96.1 01 89.4 90.8 97.4 92.9 94.1 94.8 95.1 96.1 96.5 96.6 97.9 98.2 99.1 100.0

FOTAL NUMBER OF OBSERVATIONS: 85723

## PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF RECORD: 77-86 MONTH: JAN

									MON	IH: JAN				
• • • • • • •	HouRs I	• • • • • • • •		Р	ERCENTAGI	FREQUE	ACA OE 1	ENTHS OF	TOTAL S	KY COVER		•••••	••••••	
	ILSTI	J	1	2.	3	4	5	6	7	8	9	13	MEAN	085
	ขก <b>-</b> ก2	41.0	9.1	• • • • • • • •	9.1	3.5	1 - 9	4.1		3.5	4.7	23.0	3.9	317
	03-05	40.8	7.1		7.1	4.5	4 - 8	2.6		3.9	4.5	24.8	4.3	311
	06-08	40.4	11.6		4 - 1	4.1	3 • 1	3.1		5 • 6	6.0	21.9	3.9	319
	09-11	27.7	17.2		6.9	5.9	5.0	2.3		5.6	6.3	23.1	4.3	303
	12-14	19.1	18.2		8.3	6.9	5.0	3.3		5.3	11.2	22.8	4.9	3 u 3
	15-17	27.4	16.4		5.4	6.4	5.0	3 . 3		3.0	6.7	26.4	4.5	299
	18-20	34 • 4	10.5		6.6	3.9	4.3	2.6		6.2	5 • 6	25.9	4.4	305
	21-23	35.3	8.1		8 • 1	5.5	1.9	3 • 2		6.8	3.9	27.2	4 . 4	309
	TOTALS	33.3	12.3		7.0	5.1	3.9	3 • 1	<b></b>	5.0	6.1	24.4	4.3	2466

STATION NUMBER:	_			F AU GL				PERIOU Month	OF RE	CORD:	77-96		
HOURS (LST)	1						TENTHS OF	TOTAL SKY 7	COVER	9	10	MEAN	TOTAL 065
00-02	40.	6 6.6	•••••	6.8	5.8	5.0	4.0	• • • • • • • • • •	2.9	4.3	21.9	3.8	278
03-05	1 38.	2 7.3		11.5	4.2	4.9	4.9		4.2	3.5	21.5	3.9	285
06-08	1 28.	2 12.9		7.5	7.8	2.3	3.4	٠	9.5	7.1	21.4	4.5	294
69-11	1 24.	4 15.9		8.1	4.4	3.3	2.6		7.0	15.6	18.5	4.7	210
12-14	l 26.	1 15.4		7.5	8 • 6	1.8	5.0		6.1	11-4	18.2	4.4	280
15-17	1 27.	2 17.7		7.1	5.7	3.7	6.4		5 - 3	8.1	19.4	4 • 3	283
18-20	33.	6 13.5		5.9	6.9	6.2	3 • 1		4 - 2	5.5	21.1	4.0	289
21-23	1 39.	8 7.1		6.3	4.5	4.5	2.6		4 <b>.</b> 8	5.9	24.5	4.2	269
TOTALS	1 32.	3 12.3		7.6	b.U	3.9	4.0		4. • 5	1.1	2U•8	4.2	2251

## PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVFR FROM HOUPLY OBSERVATIONS

TATION NUMBER: 042	020 STA	ITION NAME:	THL	ILE AR GL				PERIOD Month		ORD:	77-86		
HOUPS   (LS7)	n	1	2	PERCENTAGE 3	FREQUE!	NC Y OF	TENTHS OF	TOTAL SKY 7	COVER	o	10	MEAN	101AL 055
00-02	37.7	10.2	• • • • •	6.2	5.9	4.5	3.3	• • • • • • • • • •	5.6	6.2	20.3	4.3	305
03-05	30.0	11.5		5.8	4.8	3.2	6.7		6.4	9.6	22.0	4.6	313
06-08	22.2	13.5		7.5	4.2	5.7	4.8		7.5	13.5	21.0	5.3	3 3 3
09-11	26.5	11.9		6 • 1	6.5	2.9	5.5		5 . 2	14.2	21.3	4.9	310
12-14 /	26.0	12.2		4.8	5 • 8	6.8	1.6		8.0	14.8	19.9	4.9	311
15-17	24.8	13.1		7.5	7.5	3.6	4.2		6.5	16.7	16.0	4.7	306
18-20 1	24.9	16.0		7.7	8 • G	4.2	3.5		4.2	10.5	21.1	4.5	313
21-23	29.2	13.2		7 . 8	5 • 8	7.1	2.4		4.1	8.1	22.4	4.4	295
TOTALS	27.7	12.7		6.7	6.1	4.8	4.0		5.9	11.7	20.5	4.5	2486

STATION NUMBER:	042020	AOITATZ	NAME: 1	THULE AB	6L				PEPIOU MONTH		CORU:	77-86		
HOURS (LST)	•	n	1 3	PERCEN 3		FREQJENC 4	y 0F 5	TENTHS OF	TOTAL SKY	COVER	9	10	MEAV	TOTAL Op5
00-02	1 26	.3 14	. 3	6.	1	3.8	2.4	3.8		5.5	12.3	25.6	4,9	293
03-05	1 25	.7 12	•0	6.	2	5.1	1.4	4 . 1		5 • 8	13.7	26.0	5 - 1	292
06-08	1 25	•6 14	•1	4.	5	4.5	4 . 2	4.5		t • 4	18.3	17.9	4.9	312
09-11	1 28	.5 12	.8	5.	3	4.6	3 • 2	3 • 6		6 . R	14.9	20 • 3	4.8	281
12-14	1 26	.5 12	.7	5.	5	4.1	4 - 1	5 • 2		7.9	10.7	23.4	4.9	291
15-17	28	.8 10		5.	2	4.5	4 . 2	5.9		B • O	11.1	21.9	4.8	268
18-50	1 25	.2 13	3.7	7.	2	5.6	5.2	5 • 2		1.2	12.4	18.3	4.7	306
21-23	1 25	.4 1	. 3	4.	5	6.3	5.6	3 • 1		r 6	8.0	26.1	4.8	267
TOTALS	1 26	.5 1.	3 • 2	5.	6	4.8	3.8	4.4		6.7	12.7	72.4	4.9	2350

### PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

NOITALZ	NUMBER:	042020	STATION NAME:	THULE AB	GL

STATION NUMBER:	042020	STAT	ION NAME:	THULE	AB GL				PEP100 Month	OF PLC	080:	77-86		
HOURS (LST)		9	1	Pt 1	RCENTAGE 3	FREQUENC	Y OF TEN	1THS OF T	OTAL SKY	COVER	9	10	ME AN	TOTAL
υ <b>0-</b> 02	1 20	0.1	13.8	• • • • • •	4.6	5-6	4.9	3.9	• • • • • • • •	8.9	15.1	23.0	5.4	3 ij 4
v 3-05	1 2.	3.7	13.5		4.9	4.6	3 • D	3.3		9.2	17.8	23.1	5 • 2	304
U6-C8	1 2	1.6	15.5		4.5	5.7	3.3	4.2		7.8	17.1	20.7	5.2	3 3 3
(19-11	1 2	3.1	13.3		4.9	6.2	4.5	6.5		6.4	16.9	16.2	5.0	3 U A
12-14	1 2	1 - 4	11-4		4.5	6.5	4.9	6.2		7.1	20.1	17.9	5.3	30+
15-11	1 1	9.4	17.4		5.4	6.4	3.3	2.7		6.7	17.7	21.1	5 • 2	249
18-20	1 29	0.6	15.0		5.3	3.4	3.4	5 • 0		6.9	20.6	19.7	5.3	320
21-23	1 1	9.4	15.7		5 • 4	6.0	5.4	5.0		6.0	12.7	24.4	5.2	240
TOTALS	1 21	1 • 2	14.4		4.9	5.6	4 • I	4.6		1.6	17.3	20.4	5.2	2475

STATION NUMBER: 0	42020 ST.	ATION NAME	: THULI	E AB GL					U OF FE H: JUN	CORU:	17-86		
HOUPS     (LST)	n	1	р! 2	RCENTAGI	E FREQUEI	NCY OF TI	ENTHS OF	TOTAL SK	Y COVER	9	10	HEAV	TOTAL OBS
1 50-00	12.0	11.0	• • • • • • •	4,7	6.0	5.0	4.0	• • • • • • • •	7.7	20.3	29.3	6.4	3 ა ი
03-05	14.5	7.6		3 • 6	6.3	4.6	3.3		6.3	21.7	32.2	6.5	304
06-08 1	17.1	6.3		5.1	4 - 1	4 - 1	3.2		8.2	20.9	31.3	6.4	316
07-11 1	13.7	13.0		5.0	6.0	3 . 7	5 • 6		5.3	22.0	26.5	6.0	360
12-14	9.7	14.1		5.7	6.4	5.1	4.7		7.7	20.5	25.5	6.1	248
15-17	10.7	15.4		6.7	3.7	5.7	3 <b>.</b> U		4.7	25.5	24.5	6.1	298
18-26 1	12.8	11.2		7.9	5 - 5	2.4	5.2		1.9	17.9	29.2	6.2	320
21-23 1	12.2	9.9		e . 3	5.9	4.0	4.3		7.6	18.5	29.4	6.2	303
TOTALS 1	12.8	11.0		5.9	5.5	4.4	4.1		6.9	20.9	28.5	6.2	2448

### PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOUPLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

PEPIOD OF RECOPD: STATION NUMBER: 042020 STATION NAME: THULE AB GE 77-96 PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER HOURS | TOTAL 5 O I 6 9 10 MEAN 0 6 5 F.3 26.4 3.7 2.8 4.6 27.6 00-02 | 12.6 5.2 6.6 326 03-05 9.9 11.0 3.4 3.7 4.2 5.2 25.8 27.2 6.5 6.7 353 06-08 | 12.1 4.2 4.0 6.7 3.5 5.9 7.3 25.1 26.1 6.5 371 69-11 1 12.5 10.7 4.1 4.4 5.0 6.6 7.8 26.6 22.3 6.3 319 12-14 | 11.5 11.5 2.9 8.6 1.6 4.8 10.5 25.6 23.0 313 15-17 | 8.9 14.1 6.2 5.9 16.5 23.0 22.6 6.2 305 18-20 | 9.1 12.2 4.7 4.1 9.4 20.7 0.6 25.4 319 6.3 21-23 J 9.2 5.3 2.3 12.8 3.9 5.3 7.9 26.0 27.3 6.5 304 TOTALS | 11.3 4.9 5.5 3.4 5.4 24.9 45 . 7 25.2 6.5 2610

STATION NUMPER:	042020	STA	ATION NAME:	THI	JLF AG GL					DO OF RE	CORD:	77-86		
HOURS	•	n ••••	1	2	PERCENTAGE	FREGUE 4	NCY OF	TENTHS OF	TOTAL SE	Y COVER	9	13	MEAN	TOTAL OBS
ru-us	1		6.5	• • • •	4.6	4.2	3.9	2.6	• • • • • • • •	5.2	20.9	44.8	7.5	366
63-05	1 7		6.8		3.4	4.1	4.1	5.3		4.9	20.3	40.9	7.3	320
ú6-08	1 6	. 2	B • 0		3.5	6.5	2.9	3 . 8		b.3	25.1	35.7	7.3	339
69-11	1 8	3 <b>. i</b>	9.7		5 • .*	3 . 5	4.2	1.6		9.9	25.8	12.9	7.0	310
12-14	1 5	. 6	7.3		6 . 3	4.6	2.3	4.3		11.3	26.8	*0.8	7.2	362
15-17	1	.2	11.3		4.2	4.2	4.2	3.2		1.1	30.9	30.2	1.2	311
18-20	1 4	. 9	9 • 8		4 . 3	2.5	4 . (1	6.1		7.7	29.8	31.d	7.3	326
.1-23	1 6	?	6.2		2.9	$c_{t,\bullet,a^t}$	4.2	2.7		t.5	29.2	37.7	7.6	3 () P
TOTALS	1 0	5	6.4		4 . 3	4 . 4	3.7	3 - 7		7.7	26.0	15.5	7.3	2522

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF RECORD: 77-86 MONTH: SEP PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER HOURS I TOTAL 0 3 5 (LST) I 6 8 9 10 MEAN 085 un-cz l 16.7 2.8 5.4 5.0 6.0 12.8 26.3 281 4 . 3 6.8 03-05 15.2 18.1 5.0 5.0 282 2.8 3.9 4.6 16.7 28.7 5.6 U6+08 1 15.7 7.5 12.6 4.4 3.8 2.8 8.2 23.6 21.4 5.8 318 69-11 | 12.3 17.5 6.2 4.1 2.7 2.4 8.6 20.2 26.0 5.9 292 12-14 12.2 17.3 5.1 5.1 2.7 6.4 23.7 22.4 5.8 295 15-17 | 13.7 16.4 3.1 7.5 22.3 22.6 5 - 8 18-20 1 13.4 16.9 3.3 4.6 3.9 9.1 18.6 25.7 5.9 3 U 7 21-23 l 15.4 4.1 5.5 8.2 12.3 3.4 3.4 30.4 5.7 293 TOTALS | 14.2 17.1 4.3 3.9

4.0

7.3

18.8

25.4

5.7

2360

5.4

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF RECORD: MONTH: OCT PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER TOTAL ILSTI 1 0 1 2 3 5 6 8 9 10 MEAN 0 ts S 00-02 1 26.4 7.9 7.3 03-05 | 25.9 7.5 294 6.1 5 • A 11.2 31.3 5.5 U6-08 | 9 - 1 6.8 2.3 5.5 6.5 18.2 28.3 7 ن 3 6.3 (.9-11 | 14.5 6.6 4.9 20.1 28.0 8.6 3.3 4.6 7.6 6.2 304 12-14 | 11.8 12.8 6.8 5.7 3.7 1.7 9.8 23.6 24.0 6.2 296 15-17 1 12.5 16.8 6 . I 4.4 2.4 2.7 6.4 20.5 76.3 6.3 297 15.7 18-20 1 14.7 5.4 6.7 4.7 3.7 7.7 13.4 28.1 5.7 299 21-23 1 23.8 10.0 3-1 4.8 TOTALS | 18.5 10.8 6.9 3.5 3.6 15.7 29.5 5.8 2390

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF SMY COVER FROM HOURLY DBSERVATIONS

PERIOD OF RECORD: STATION NUMBER: 042020 STATION NAME: THULE AB GL 77-86 MONTH: NOV PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER HOURS | TOTAL c 3 6 10 MEAN 085 1 2 Q 5.3 4.0 7.a UD-02 | 28.9 9.5 7.0 3.9 4.6 30.5 284 34.3 12.9 4.5 1.4 5.5 6.3 5.2 206 C3-05 | 26.6 5.6 2.8 293 14.0 06-08 | 24.6 8.5 3.4 4.1 2.0 4 - 1 7.8 ₹1.4 5.0 09~11 1 22.5 16.5 3 . 3 6.5 3.6 6.2 6.2 12.7 28.6 5.5 216 12-14 | 7.0 6.3 3.5 7.3 9.8 28.2 5.4 287 15~17 | 20.1 3.1 10.7 29.4 5.5 289 7.4 5.6 3.9 8 - 1 30.6 5.1 18-20 | 29.2 5.6 6.3 3.2 21-23 | 27.1 10.2 6.1 6.4 3.7 3.4 3.7 6.4 32.9 5.1 245 A.6 10.7 TOTALS | 24.4 11.6 5.1 4.0 6.1 4.1

STATION NUMBER:	042020	STAT	ION NAME:	THULF	AB GL					U OF FEI	ORD:	77-86		
HOURS									TOTAL SK				M( A).	TOTAL
(L\$T)		n 		2	3		5		· • • • • • • • • • • • • • • • • • • •	я • • • • • • •	9	10	ME A V	085
00-02	1 41	•0	5.5		6.8	2.9	3.9	2.0		6.8	6.2	74.8	4.3	367
03-05	4 1	3	6.2		7.2	2.6	4.3	3 . 3		3.3	4.6	21.2	4.2	305
06-08	1 35	• 6	10.4		7.4	5.1	3.0	2.7		5.4	6.0	23.8	4.2	298
09-11	1 28	. 6	15.6		9.5	1.5	1.0	6.5		3.7	7.6	19.7	4.2	294
12-14	1 25	. 4	12.9		9.2	5.8	3.7	6.1	•	5.1	9.8	22.0	4.7	295
15-17	1 30	• 1	7.0		9.4	5.4	3.0	2 . 3		5.0	7.0	26 • 8	4.6	299
18-20	4.	? • 8	3.3		5.9	3 • 6	7.2	2 • 6		3.0	6.6	25.0	4.2	364
21-23	1 4	. 2	6.4		4.2	5.8	3.5	4 • 2		5.5	5.5	23.8	4.2	3 1 1
TOTALS	1 30	3	8.4		7.5	4.9	3.7	3 - 7		4.7	6.7	24.1	4.3	2413

TOTALS |

22.0

12.0

6.0

5.2

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOUPLY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THUEF AB GL PERIOD OF RECORD: MONTH: ALL PERCENTAGE FREQUENCY OF JENTHS OF TOTAL SKY COVFR HOURS 1 TOTAL 5 (LST) L Ω 1 2 3 4 6 8 Q 10 MEAN 085 JAN ALL I 33.3 12.3 5.0 4.3 2466 FEH 32.3 12.3 7.6 6.4 3.9 4.0 5.5 7.7 20.8 2251 HAR 27.7 12.7 6.7 6.1 5.9 4.8 4.0 11.7 20.5 4.6 2486 APP 76.5 13.2 4.8 4.4 6.7 22.4 4.9 2350 5.6 3.8 12.7 MAY 21.2 14.4 4.9 5.6 20.4 5.2 4.1 4.6 7.6 17.3 2475 JUN 12.8 11.0 5.9 5.5 4.4 4 - 1 6.9 20.9 28.5 6.2 2446 5.5 3.4 10.7 11.3 4.9 JUL 5.4 8.7 24.9 25.2 6.5 2610 AUG 6.3 6.4 4.3 4.4 3.7 3.7 7.7 26.0 35.5 7.3 2522 SEP 14.2 17.1 5.0 4.3 4.0 3.9 7.3 18.8 25.4 5.7 2360 001 18.5 6.6 5.0 3.6 5 . 8 2390 NOV 24.4 11.6 6.1 5.1 4.1 4.0 5.4 30.7 5.2 2294 8.6 8.4 7.5 4.9 3.7 3.7 4.7 6.7 24 - 1 4.3 2413

3.9

4.0

6.5

14.8

25.6

5.4

29065

PFPPP	PPP	AAA	AAA	RRRR	RERR	111111111	FERRTEREE
PPPPP	PPPP	AAAA	AAAA	RRRR	KRRRR	111111111	ELLELEELEE
PP.	PP	AA	AA	ER	RP	11	EE
PP	PP	AA	AA	RP	RR	11	11
PPPPP	PPPP	ΛA	АΛ	RRRR	RRRRR	11	FEEFE
PPPPP	PPP	AAAAA		RRRR	RRRR	TT	FEFEE
PP		AAAAA	AAAAA	RR	RR	TT	E.E.
PP		A A	AA	RR	RR	11	£.E.
PP		AA	AA	RR	RR	11	TEEFFLEELL
99		AA	A A	RR	RR	TT	FEEELLEEE

#### TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED APE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERIST INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUP TIME GROUPS BY MONTH, MONTHLY AND AUTUALLY CALL YEARS COMBINEDI.

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMBARIZED BY THE STANDARU 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY CALL YEARS COMBINEDI-

PERCENTAGE VALUES PRESENTED IN 10 DECREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

### CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATUPES FROM SUMMARY OF DAY DATA

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF RECORD: 51-86 TEMPEFIL JAN MAR APR JUN AUG D.F.C GE 65 | .1 .0 .0 .0 .2 .2 • 2 2.5 7.3 20.7 6.6 20.8 48.3 1.5 .1 1.1 5.2 15.9 34.7 59.1 10.4 34.8 66.3 92.9 501 451 GE 3 • 2 9 • B GE 1.8 9.1 36.1 67.6 86.9 96.2 3.8 15.1 29.9 44.7 .2 .9 3.3 7.2 14.1 40.9 69.4 96.0 401 • 1 • 7 .2 75.9 1.1 3.2 6.7 14.6 . 9 26.6 35.6 42.1 47.6 . 1 ũΕ 96.4 2.5 4.9 7.8 1.1 2.2 301 251 2.6 99.6 6 E 99.9 100.0 100.0 201 6.5 GE 100.0 26.6 42.4 56.2 12.J 19.5 30.9 15| 10| 12.9 9.2 14.8 6.1 10.1 26 • 2 38 • 9 89.1 97.6 99.3 64.9 81.9 53.9 60.5 27.8 23.4 54 . 7 14 . 7 51 99.2 100.0 99.8 72.9 26 • 4 39 • 3 GE 95.2 44.3 74.2 -51 50.5 45.1 88.5 96.9 83.9 57.6 GE -51 GE -101 GE -151 GE -201 GE -251 GE +301 GF -351 GE -401 63.8 78.2 58.6 73.6 60.5 70.9 96.6 99.0 92.2 97.6 72.9 £4.4 86.9 92.7 100.0 98.1 91.U 96.5 99.4 87.3 94.1 96.3 99.8 100.0 99.8 54.9 96.9 48.3 100.0 100.0 90.8 100.0 98.0 29.6 9.4 100.0 100.0 100.0 130.0 MFAN | -3.3 -5.6 -6.6 7.0 25.9 38.9 44.5 42.3 31.8 18.0 6.7 -1.7 16.5 -5.6 -6.6 7.0 14.506 11.965 11.059 31.8 18.0 6.7 -1.7 6.407 10.495 11.868 13.231 25.9 8.621 1085 MEAN 44.5 6.175 42.3 5.523 14.488 50 6.941 21.491 989 1084 1050 1050 1085 1085 1079 1115 12841 1085 1049

GLOBAL CLIMATOLOGY RRANCH USAFETAC

# CUMULATIVE PERCENTAGE OF D'CLURRENCE OF MINIMUM IFMPERATURES FROM SUMMAPY OF DAY DATA

AIR WEATHER	SERVICE/MAC
-------------	-------------

TEMP	CFIL	MAL	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	UEC	ANNU
GE	501	•••••	• • • • • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • • •	. 8	• • • • • • • •		•••••	• • • • • • •	•••••	. 1
GF	451						1.7	5.4	2 • 1					. A
GE	401						5.4	20.0	13.1	. 5				7.3
65	351					. 6	21.1	61.3	52.9	4.3				11.8
GE	3.51	- 1				1.6	33.4	77.1	70.0	9.6	• 2			16.C
űΕ	301		. 1			6.5	57.3	92.9	89.2	73.0	1.1	. 1	• 1	22.6
GE	251	. 3	.4		1.	19.9	92.5	99.7	99.4	. O • O	1.3	.6	• 3	30.9
GE	201	. 7	.6		. 9	37.2	99.2	100.0	100.0	68.1	15.5	1.3	. 6	35.4
G£	151	1.4	1.3	. 3	3.1	60.4	100.0			93.0	25.7	3.8	1 - 1	40.0
GΕ	101	2.9	1 -4	. 7	6.8	75.6				93.4	46.9	8.5	2.6	44.5
GE	51	5.5	3.1	1.8	12.8	84.3				98.4	55.1	17.3	5.7	44.8
G E	0.1	10.9	6.1	3.7	24 - 1	92.5				99.9	73.2	29.0	12.5	54.4
GE	-51	17.4	12.4	8.6	38 . 3	97.1				100.0	16.5	43.2	L.0.	60.4
	-101	28.8	20.7	17.1	56 . 8	99.4					95.3	60.B	33.9	67.6
	-15	39.3	32.8	29.2	75.4	99.7					96.9	77.3	47.5	74.9
	-201	57.1	49.1	48.9	91.0	100.0					99.4	90.8	16.5	83.7
	-251	71.1	66.6	69.3	96.5						160.3	97.4	ن <b>.</b> 3 ا	90.4
	- 30	87.1	83.C	86.3	99.5							99.9	54.3	95.9
	-35	97.1	73.3	94.0	99.9							100.0	59.2	98.7
	-401	100.0	98.7	99 • 1	1 00 • 0								1(0.6	99.8
	-45		99.8	1.00 • 0										100.0
6E	-501		100.0											140.0
MEAN	;	-17.1	-19.5	- 20.0	-7.9	15.5	30.9	36.1	34.8	22.9	6.7	-6.5	-14.8	5.1
5 D	Į.	12.297	11.712	10.139	10.572	10.015	5.004	4.768	4.443	8.048	11.315	11.007	11.251	23.221
TOTAL O	BS I	1085	989	1084	1050	1085	1050	1085	1085	1049	1085	1079	1115	12841

# GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES USAFETAC FROM SUMMARY OF DAY DATA AIR WEATHER SERVICE/MAC

STATION NUMBER: 042020	STATION NAME: THU	LE AB GL	PERIOD OF RECORU: 51-86

TEM	P(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	3EP	001	NOV	DEC	ANNUAL
GE	551	• • • • • • •		• • • • • • • •	• • • • • • •			. 7			• • • • • • •	•••••	• • • • • • • •	• 1
ÜĹ							1.9	5.3	1.4					. 7
GE							6.5	21.8	12.0	• 2				3.4
32						• 6	22.3	55.8	44.1	2.6				10.5
GE		. 1				5.5	49.7	89.4	82.3	15.1	. 3			20.3
33		• 2	. 3		- 1	17.1	84.6	99.0	98.0	45.3	5.6	.6	. 3	29.3
ĿΕ	251	1.0	•6		1.6	36.8	99.2	100.0	100.0	70.1	14.9	1.5	. 7	35.6
GÆ	201	2.0	1.7	.9	4.7	61.3	100.0			96.3	27.5	4.8	1.9	41.0
GE	151	4.5	3.3	1.6	9.2	78.5				95.9	43.9	10.7	3.9	46.0
G£	101	8.7	5.3	3.0	18.6	87.6				99.0	61.7	21.1	6 . 3	51.2
GE	51	14.7	10.2	6.7	31 . 7	95.3				99.9	78.2	35.7	15.7	57.4
ĿΕ	C.I	21.3	17.2	11.5	45 . 4	98.4				198.6	9 U • U	49.4	23.5	63.1
Ģ€	-5	33.6	26.7	20.7	65 . 1	99.7					95.3	66.9	27.1	70.5
LΕ	-101	46.2	38.7	33.2	82.5	99.9					97.1	80.7	52.7	77.7
GE	-15	59.7	53.2	54.2	93.9	100.0					98.5	91.4	69.7	85.1
	-201	74.3	69.4	73.7	98 • 3						100.0	97.8	F Z • 7	91.4
	-251	88.6	86.1	87.2	99 . 8							99.9	54.5	96.4
	- 301	97.1	94.3	95.5	99.9							100.0	48.8	98.8
	- 35	100.0	98.3	99.3	1 00 • 0								160.0	99.8
	-401		99.6	100.0										100.0
GE	-451		100.0											100.0
HEAN		-10.3	-12.7	-13.5	4	21.0	35.1	40.6	38.9	77.7	12.6	.1	-8.4	10.9
5.0	- 1	13.183	12.893	10.837	10.702	8.994	5.693	5.139	4.745	7.004	10.721	11.297	12.085	22.407
TOTAL	0 P S	1085	989	1084	1050	1085	1050	1085	1085	1049	1085	1079	1115	12641

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF PECORD: 51-86

	• • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •		HOLE DEGI	RES FAH	RENHEIT	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
i						-M-0-1	4-1-H-S-						ALL
YEAR	JAN	FEB	MAP	APR	MAY	JUN	JUL	AUG	SEP	0.01	NOV	CEC	MONTHS
51			• • • • • • • •		• • • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •		33	8	• • • • • • • • • • • • • • • • • • • •
52 [	22	27	20	3 1	44	5.7	62	54	41	29	35	34	62
53	32	30	18	4.1	40	44	57	54	46	25	23	7	57
54 1	23	2 3	14	3 8	47	55	58	57	4.8	3.0	30	14	56
55	15	3 G	14	25	32	5.3	55	54	4.2	36	35	1 7	55
56	2 3	24	٤2	25	36	61	5.5	53	39	37	2 3	18	61
57	19	2.1	30	18	47	62	62	6.2	46	35	32	12	62
58 <b> </b>	35	3 2	17	24	4.2	5.5	5.5	50	4.0	35	29	18	5.5
59 1	37	23	5	30	42	63	5.8	50	39	36	32	1 7	63
6n	30	31	23	2 9	39	56	57	56	4.2	4Π	24	16	5.7
61 1	-5	4	24	2 B	33	49	5.3	57	41	52	22	34	57
62 1	24	8	31	38	4.2	52	5.5	56	49	26	26	36	56
63	36	3 2	31	26	33	45	57	55	4 ]	32	36	27	57
64	38	4.1	34	21	44	49	48	50	4.1	24	18	25	50
65 I	35	43	15	2.3	46	49	52	56	4.7	34	4.2	22	56
66 l	16	3 5	3	30	42	56	54	56	44	31	28	9	56
67	34	1.1	21	32	44	49	5.5	49	36	31	19	29	55
68	11	34	5	. 3 (1	41	44	<b>5</b> 5	49	3.9	37	3.3	31	55
69	31	19	13	35	3.8	54	62	54	4 1	27	28	15	62
70 l	3 3	3 C	20	3.2	3 1	49	5.3	4.8	4 1	37	32	30	5.3
71 1	22	21	20	24	36	57	5.8	48	45	3.2	21	14	58
72	25	3.5	28	3 2	33	44	5.3	51	4.3	41	10	+12	53
73 †	30	ı	2	26	42	46	5 3	50	41	3.3	39	10	5.3
74	17	1.2	*21	3 3	35	48	5.7	5.3	39	35	<b>*</b> 26	D	5/
75	15	ь	1	26	50	57	4.8	51	3 7	35	21	24	57
76 l	21	1.7	30	1 G	42	50	61)	57	4.6	- 1	21	39	€0
77 (	4 1	26	33	3.3	39	44	51	46	<b>#37</b>	35	35	21	51
78 I	30	10	19	3.3	39	46	59	51	39	2 p	2.6	3.7	59
79	26	6	35	32	3 3	44	57	57	46	33	19	16	57
au I	30	1.6	30	21	36	59	55	4 &	39	41	36	25	59

NOTES \* (BASED ON LESS THAN FULL MONTHS)
# (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

# EXTREME VALUES OF MAXIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GE

PERIOD OF RECORD: 51-86

• • • • • • • • •							WHOLE DE		HENHEIT	• • • • • • • • • • • • • • • • • • • •				
	- 1						-M-0	-N-T-H-S	-					ALL
YEAR	₹ 1	JAN	FEB	MAR	APR	MAY	∃UN	Jul	<b>AU</b> G	SEP	001	NOV	CEC	MONTHS
81	٠	9	10	18	30	43	54	57	46	45	37	34	39	57
8.2	- 1	32	19	3 C	4 7	46	59	57	50	37	27	27	27	5 4
83	i	σ	- 2	7	21	39	68	64	46	43	3.7	25	18	68
84	- 1	1	- ь	19	16	36	59	6.3	50	45	36	3.3	18	63
35	- 1	30	16	23	27	45	48	59	54	45	41	34	28	54
86	- 1	30	34	21	37	48	50	48	52	43	21	10	3.0	5≥
HEAN	٠٠;٠	24.2	20.9	19.9	28.7	40.1	52.4	56.1	52.2	42.1	32.2	21.9	27.1	57.6
S.D.	1	11.215	12.171	9.662	6.914	5.083	6.321	4.036	3.889	3.223	7.656	7.191	9.701	3.672
TOTAL OBS	i	1085	989	1084	1 05 0	1085	1050	1055	1085	1049	1085	1079	1115	12841

NOTES \* (RASED ON LESS THAN FULL MONTHS)
# (AT LEAST ONE DAY LESS THAN 24 OBS)

# EXTREME VALUES OF MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 51-96

ı					u	HOLE DEGI	REES FAH N-T-H-S-						ALL
YEAR I	NAL	FEE	MAP	APP	MAY	אטנ	JUL	AUG	SEP	001	NOV	C E C	HONTH
51 1		• • • • • • •	• • • • • • • • •	• • • • • • • •		• • • • • • • •	• • • • • • • •		• • • • • • • •	• • • • • • •	-2n	~ 30	• • • • • • • •
52 1	-38	-38	~43	-32	~ 3	24	29	28	18	- 3	-14	~18	-4
53 1	-30	-35	~36	-12	15	27	32	28	6	-6	-28	~ 3 3	- 1
54 ]	-32	-36	~29	-2 3	11	26	3 1	29	7	-10	-18	- 32	- 34
55 l	-37	-42	-28	-28	-11	25	31	30	1.3	8	-24	-26	- 4
56 I	-30	-37	~39	-23	- 1	23	3.3	3.5	11	- 5	-23	~23	- 3
57 1	-37	-25	-25	-14	~ 4	29	34	29	21	-10	-21	~28	- 3
58	-34	- 3 5	-28	-29	1	25	3.0	24	- <sub>1</sub>	-10	-26	~28	- 3
59	-25	-29	-56	-27	2	25	32	29	13	-17	-22	- 31	- 36
60	-37	-34	-43	-25	1	28	35	3.0	7	- 4	-19	-26	-4
61	-39	- 4 C	-44	-30	-8	22	31	26	e,	-9	-24	~ 3 5	- 4
62 1	-25	-35	~20	-19	1	23	29	23	Ð	- 3	-17	-25	- 3
63 1	-25	-21	-34	-3 E	D	25	49	31	13	-10	-28	-21	- 34
64 1	-39	- 3 3	-42	-36	- B	23	26	26	-5	- 24	-27	-32	- 4,
65 J	- 34	~ 3 U	-27	-17	4	24	2.7	26	1	- 9	-15	- 32	- 3
66 (	-36	-26	-31	-22	-9	21	2 a	31	4	-5	-17	- 2 A	- 76
67	-30	-36	-24	-21	- 5	22	29	26	10	-11	- 3 1	- 24	- 3
68 [	-34	- 56	-38	-14	-4	<i>2</i> 1	29	27	6	- 7	-25	- 30	- 3,
69 1	-24	-32	-43	-1 A	В	23	33	31	18	-5	-22	-24	- 4
70	-35	- 3 D	-27	-18	-17	18	27	25	16	- 1	-20	- 31	- 3
71	-32	-39	-27	-27	- 8	24	26	25	12	-6	-24	- 36	- 3
72	- 34	- <b>4</b> U	-30	-26	3	19	26	25	9	- 1	-13	*-3B	- 4
73	- 3 3	-4 C	-39	-25	-6	22	24	2.8	5	- 7	-25	- 29	- 4 (
74	- 3 8	-29	+ -32	-22	- 2	1.7	2 A	2.8	10	-7	<b>*</b> - 25	- 36	- 31
75	-39	-31	-32	-29	1	21	32	23	3	- 9	-27	- 34	- 31
76	-29	-29	-27	-25	- 7	24	3.0	24	15	-23	-20	-25	- 2
77	-22	-31	-29	~9	10	19	30	21	+6	-7	-13	- 3 A	- 31
78 1	-29	-31	-34	-27	υ	21	24	2.6	9	-11	-25	-20	- 3
79 1	-23	-47	-32	-1 P	- 2	24	26	28	16	-20	-20	- 3 3	- ú
80	-24	-29	-24	-2.7	-6	19	30	25	9	~ a	-15	-21	- 70

NOTES • (BASED ON LESS THAN FULL MONTHS)
# (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

# EXTREME VALUES OF MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEP100 OF PECORO: 51-86

	_					1	HHOLE DE							
	1						-M-0	-N-1-H-S	-					ALL
YEAR	ı	JAN	FEE	MAR	APP	MAY	JUN	JUL	AUG	SEP	001	NOV	ſĘC	HONTHS
A1	i .	-29	-3 <sub>6</sub>	-27	-24	-4	27	32	30	5	-9	– <b>ণ</b>	-24	- 36
82	1	-33	-27	-26	-2 N	-4	28	27	25	1	-9	~26	- 3 8	- 38
8.5	1	- 38	-4 O	-36	-2 7	-9	25	32	27	9	- A	-20	-29	- <b>4</b> ()
84	ł	-38	-42	-42	-22	-2	25	32	30	12	8-	-21	- 3 3	-42
45	ŧ	-31	-29	-33	-20	ß	28	30	34	9	-17	- 9	0 نے-	- 33
96	ı	-27	-26	-38	-22	14	23	28	27	5	-15	-29	-27	- 38
MEAN	1	-32.0	-33.7	-32.7	-22.9	-1.4	23.4	29.5	27.3	я.в	-8.6	-21.4	-26.7	- 37.7
S.D.	į	5.193	5.672	6 - 635	5 . 85 1	7.001	2.983	2.748	2.761	5.636	6.079	5.484	5.149	4.152
AL OBS	1	1085	989	1 084	1 05 0	1085	1050	1085	1085	1049	1085	1079	1115	12641

NOTES \* (BASED ON LESS THAN FULL MONTHS)
\* (AT LEAST ONE DAY LESS THAN 24 OBS)

ORY-BULB TEMPERATURES DEG F FROM Hourly Observations MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86

HOURS[ STATS	JAN	FEn	MAR	APR	MAY	Jun	JUL	AUG	SEP	e C T	NOV	î E C	NAA.
ITOT ORSI	-7.9	-14.5	-11.8	8	19.4	33.7	40.0	36.5	26.2	12.3	1.0	-5.7	10.8
	16.129	19.267	16.624	10.726	9.337	5.641	5.504	4.554	7.636	11.449	12.176	14.321	21.671
	930	846	930	900	930	900	924	930	900	970	849	930	10949
MEAN	-8.0	-14.4	-11.9	-1.3	19.2	33.6	39.8	36.2	25.9	12.1	.9	-5.8	10.6
SO  20-51	16.104	17.069	16.936	10.869	9.411	5.986	5.369	4.666	7.606	11.275	12-149	14.418	21.616
TOT ORS	930	846	930	900	930	900	924	930	900	928	900	930	10948
FTOT OBS	-7.9	-14 •2	-12.0	5	20.6	34.1	40.5	36.9	26 - 1	12.1	.8	-6.0	11.0
	15.915	19 • () 22	17.037	10.546	8.957	6.007	5.879	4.636	7 - 794	11.239	12.241	14.713	21.838
	930	3 46	930	900	930	900	926	930	900	930	900	929	10951
1 MEAN I	-7.8	-14.2	-10.7	2 • 4	22.4	35.0	41.3	38 • 2	28.0	12.7	.9	-5.7	12.8
	15.792	18.958	16.156	9 • 7 7 3	8.194	0.137	5.944	4 • 65 8	7.563	11.229	12.476	14.830	22.639
	930	846	930	9 0 0	930	899	930	930	900	930	899	930	10954
I MEAN I	-7.7	-14.1	-8.9	4.5	23.7	36.0	41.8	39.0	79.6	13.3	.9	-5.9	12.9
	16.037	18.868	14.648	9.351	7.781	6.390	6.020	4.815	6.964	11.383	12.246	14.678	22.116
	930	846	930	900	930	900	929	936	900	930	900	930	10955
ITOT OPSI	-7.7	-14.2	-9.0	5.2	24.3	36.1	42.1	39.1	29.7	12.9	1.0	-5.5	13.0
	16.000	18.845	14.420	9.243	7.644	6.281	6.214	4.750	7.330	11.254	12.276	14.691	22.150
	930	846	930	900	930	900	927	93U	900	930	900	93)	10953
I MEAN I	~7.2	-14.2	-10.4	4 • 0	24.2	36.0	42.0	38.7	28.4	12.6	1.3	-5.3	12.0
	15.443	18.803	15.503	9 • 5 6 4	7.642	5.998	5.843	4.663	7.701	11.337	11.888	14.537	22.070
	930	946	930	9 0 0	930	900	926	930	900	930	900	929	10951
1 MEAN 1	-7.8	-14.5	-11.5	.8	22.1	34.9	40.8	37.3	76.4	12.0	.8	-5.9	11.4
	15.743	19.208	16.55U	10.338	8.390	5.907	5.555	4.569	8.014	11.280	12-110	14.768	21.934
	930	346	930	900	930	899	924	930	900	930	900	927	10946
MEAN	-7.7	-14.3	-10.8	1 • 8	22.0	34.9	41.0	37.7	27.6	12.5	.9	-5.7	11.8
ALL   50	15.889	18.996	16.605	10 • 3 3 7	8.661	6.142	5.856	4.789	7.672	11.309	12.194	14.612	21.946
HOURS TOT OBS	7440	6768	7440	72 0 0	7440	7198	7410	7440	7200	7438	7198	7435	87607

# GLOBAL CLIMATOLOGY BRANCH WET-BULB TEMPERATURES DEG F FPOM MEANS AND STANDARD DEVIATIONS USAFETAC HOURLY OBSERVATIONS AIR WEATHER SERVICE/MAC

STATION NUMBER: 047020 STATION NAME: THULE AS GL

PEPIOU OF PECORD: 77-86

HOURS!	STATS	JAN	FEE	MAR	APR	MAY	JUN	JUL	AUG	SEP		NOV	( E C	
LST	1	•								_				
	MEAN	-8.7	-14.0	-11.9	-1.6	17.2	30.2	36.1	33.4	73.4	11.0	.1	-5.7	9.0
00-02   1	50   01 095	16.248 811	18.142	16.465 924	10.067 898	8 • 5 1 5 9 2 8	4.397	3.829 791	3.84 <i>2</i> 836	7.193 807	9.936	11.699 797	13.959 818	20.021 10133
• • • • • • •	MEAN 1	-8.8	-13.8	-12.1	-2.0	16.9	3G.1	35.9	33.0	23.2	10.9	1	-5.5	
03-05	sn i	16.228	17.993	16.803	10.266	8.583	4.551	3.016	3.981	7.159	9.799	11.599	14.126	19.900
	07 085	816	R13	926	800	930	851	785 •••••	837	807	848	7 7 4	υη8 ••••••••••••••••••••••••••••••••••••	1^129
76-081	MEAN	-8.7 16.011	-13.7 17.924	-12.1 10.853	-1 · 3 9 ·8 7 9	18.0 6.147	30.5 4.578	36.3 4.119	33.5 3.806	73.3 7.166	10.9 9.65s	.0 11.621	-5.9 14.357	9.1 20.085
11	01 ORS	810	8 10	922	899	930	850	789	835	835	670	197	818	10135
	MEAN I	-8.6	-13.6	-10.9	1.4	19.6	31.0	36.8	34.4	24.6	11.4	۵-	-5.7	10.0
09-11   T	50     240   10	15.787 815	17•703 809	15.882 917	8.995 900	7.429 930	4.527 853	4.089 805	3.669 833	6.915 884	9,599 868	11.918 792	14.464 814	20.104 10140
	MEAN I	-8.5	-15.4	-9.2	3.3	20.6	31.6	37.0	34.9	25.9	11.9		-5.3	10.6
12-141	50 1	16.039	17.551	14.407	6.577	6.967	4.567	3.969	3.736	6.356	9.648	11.640	14.438	20.079
					897	930	345	805 •••••	836	807	875	797	819	10154
15-171	MEAN   SD }	-5.7 16.0n6	-13.5 17.578	-9.3 14.241	4.0 8.480	71 - 1 6 - 8 4 6	31.8 4.412	37.3 4.073	34.9 3.65£	76.0 6.437	11.6	.C 11.679	-5.6 14.362	10.7 20.087
•	1240 10	820	8 C 7	923	804	924	848	798	841	809	864	800	820	10153
	MEAN 1	-8.1	-13.4	- 10 - 7	2.9	71.i	31.8	37.2	34.8	25.1	11.3	. 3	-5.3	10.5
12-201 11	50 1 01 0651	15.415 821	17.532 811	15.335 924	8 - 8 N 9 8 9 4	6+86 <sub>0</sub> 929	4.208 856	3.868 795	3 • 6 3 <i>2</i> 8 3 7	7.161 809	9.178 865	11.336 799	14.139 814	20.100 10154
	MEAN I	-8.c	-15.7	-11.8	·········	19.5	31.0	36.6	33.9	23.5	10.8	2	-5.7	9.5
21-231	so I	15.760	17.889	16.406	9.606	7.575	4.43	3.768	3.679	7.515	9.816	11.576	14.303	20.151
	or urst	920	-	925	895	926	844	794	835	810	860	796	814	10179
ALL I	MEAN	-9.6 15.929	-13.6 17.781	-11.0 15.822	. d 9 .564	19.3 7.908	31.0 4.481	36.6 3.472	34 • 1 3 • 8 1 6	74.4 7.084	11.2 9.750	.U 11.627	-5.7 14.269	9.8 20.085
HOURSIT		6521	6480	7383	7176	7432	6791	6362	6690	6458	6936	6372	6526	81127
	• • • • • • •	• • • • • • •			• • • • • • • •	• • • • • • • •	• • • • • • • •		• • • • • • • •					• • • • • • • • • • • • • •

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

HEARS AND STANDARD DEVIATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOU OF PECORD: 77-86

LST I		MAL	FEB	MAR	APR	MAY	Jun	JUL	AUG	SEP	001	NOV	C E C	ANN
1   0-02 	TOT OBS		~24.3 27.064 813	924	-11.8 16.462 898	8.7 10.172 928	23.3 5.091 844	30.2 4.266 791	28.1 4.868 836	16.2 9.008 807	1.3 11.254 866	-10.6 16.361 797	-15.3 20.594 818	.2 21.995 10133
3-05   1	101 ORS	-19.2 24.172 810	-24.4 27.100 813	-22.1 25.366 926	-12.3 16.846 899	8.2 10.379 930	23.2 5.307 851	30.3 4.274 785	27.7 5.165 837	15.7 8.980 807	1.6 11.075 868	-10.9 16.440 794	-15.6 20.728 809	.0 21.987 10129
1 130-2 1	MÉAN   SD   TOT ORS	~19.3 24.213 810	-24.2 26.966 810	-22.1 25.445 922	-11.7 16.338 899	9.1 9.905 930	23.4 5.331 85u	30 · 2 4 · 4 Z 9 78 9	27.9 4.974 835	15.8 8.968 875	1.7 10.989 870	-10.7	-15.5 108.05 818	.2 21.999 10135
9-11  	MEAN [ SD ] FOT UBS [	-19.3 23.976 815	-24 • I 26 • 6 42 9 09	917	-9.3 14.305 900	10.4 9.271 930	23.7 5.259 853	30.4 4.729 805	28.3 4.902 833	16.5 8.765 8.74	2•2 10•926 868	792	-15.4 21.011 314	.9 21.915 13140
  2-14   	MEAN	23.990 814	-23.8 26.448 307	-20.0 23.334 922	-7.4 12.716 897	11.0 8.853 930	23.8 5.190 845	30.4 4.452 805	28.4 5.018 836	17.5 8.473 807	2.4 10.951 875	-10.6 16.255 797	819	1.4 21.705 10154
5-17  	MEAN   SO   TOT OPS	-19.4 24.070 820	-23.8 26.515 867	-19.8 23.078 923	-6.7 12.258 894	11.6 e.680 929	24.0 5.015 848	30.4 4.284 798	28.4 4.776 841	17.6 8.476 809	2.3 10.945 864	-10.6 16.269 800	-15.4 20.922 820	1.5 21.713 10153
ا ا 25-ھ	1 NA3M 1 OZ 1290 TOT	-19.0 23.646	-23.7 26.438 811	-20.8 23.939 924	-7.5 13.025 894	11.9 8.697 929	24.3 4.949 856	30.5 4.287 795	28.7 4.642' 837	17.4 9.038 809	2.0 10.893 865	-1g.2 15.742 799	-14.9 20.492 814	1.5 21.814 10154
	101 0821	~19.3 23.909 820	-23.8 26.551 810	-21.8 25.083 925	-1J.3 15.259 895	10.8 9.151 926	23.8 4.926 844	30.2 4.410 794	28.3 4.575 835	16.1 9.303 810	1.5 11.099 860	-10.7 16.369 796	-15.3 20.839 814	.7 21.974 19129
ALL į	MEAN I	23.992	-24 .C 26 . 7 Q3 64 80	-21.3 24.519 7383	-9.6 14.747 7176	10.2 9.495 7432	23.7 5.145 6791	30 - 3 4 - 39 3 6362	28.2 4.876 6690	16.6 8.905 6458	1.9 11.016 6936	-10.6 16.294 6372	-15.4 20.778 6526	.8 21.694 81127

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

FROM HOURLY OBSERVATIONS

ATR WEATHER SERVICE/MAC

STATIO	ON NUMBER	R: 042020	STATION	NAME: 1	THULF AB 6	ıL				PEPIOD OF MAL : HTNOM		7-96
	HOURS				FREQUENCY						I MEAN I	
		10%	70%	30%	40%	501	603	707	807	901	HUHIDITY	
JAN	00-62	100.7	95.9	99.5	94.1	72.5	43.5	20.8	7.3	2.3	59.3	P11
į	03-05	100.0	100.0	99.6	94.2	70.2	44.1	19.0	7.2	7 • 1	59.1	AIC
	∩6-UR	0.001	94.8	99.0	94.1	71.4	42.6	15.1	4.8	1.2	58.2	A1(
	ก9-11	100.0	99.8	99.3	93.3	69.3	42.8	15.0	5.4	1 • 3	58.7	815
	12-14	100.0	106.0	99.8	93.5	70.1	39.4	14.5	5.3	1.7	57.8	814
	15-17	100.0	100.0	99.R	91.2	68.8	39.6	14.8	4.5	1.1	57.8	82 C
	18-20	100.0	94.9	99.0	91.2	66.4	37.4	16.3	6.3	1.7	57.4	821
į	21-23	100.0	106.0	99.6	93.0	69.4	37.6	17.3	7.0	2.4	58.3	826
	TOTALS	100.0	49.9	99.5	93.1	69.8	40.9	16.6	6.0	1.7	54.2	6521

CLOBAL CLIMATOLOGY BRANCH

USAFETAL

FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

PELATIVE HUMIDITY

OF OCCURRENCE

PELATIVE HUMIDITY

PERIOD OF RECORD: 77-86

STATION NUMBER: 042020 STATION NAME: THULE AB GL

									۳	ONTH: FEE	3		
MONTH	HOURS	•			FREQUENCY						MEA	TOTAL   NUP	•••••
ĺ		168	20%	30%	40%	50%	60%	70%	80%	90%	İHUMIDITYİ	ous i	
FE8	00-02	   100.J	100.0	<b>79.</b> 8	95.6	73.1	40.3	16.4	4.6	1.0	58 • 8	813	
!	03-05	100.0	79.9	99.9	95.8	72.0	40.6	14.1	3.2	• 5	58.0	B 1 3	
į	N6-03	ו 1 וטיים 1 ו	100.0	160.0	95.6	73.3	38.9	13.6	4.9	• 9	58.3	e1(	
ļ	09-11	   180.8	106.0	99.6	96.0	74.4	40.O	12.7	4.0	1.2	58.5	809	
	12-14	1   100.0	100.0	99.9	96.8	74.6	42.4	12.6	3.6	1.0	58.7	907	
	15-17	160.3	100.0	99.5	95.8	75.6	42.8	14.9	3.8	. 9	59.0	8 <b>3 7</b>	
į	18-20	i ign.a	100.0	100.0	97.3	75.8	42.4	15.4	4.4	1.1	59.1	811	
į	21-23	100.0	100.0	99.9	97.7	75.3	44.2	17.0	5.1	1.5	59.7	810	
i	TOTALS	   100.5	100.0	99.8	96.3	74.3	41.5	14.6	4.2	1.0	58.8	648[	
• • • • • •	• • • • • • •	• • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •		• • • • • • •	· · · · · · · · · ·	• • • • • • • •	• • • • • • • • •	• • • • • • • •		• • • • • • • • • •	

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATIO	N NUMBER	R: 042023	STATION	N AME:	THULE AR G	L				PEPIOD OF		77-86	
MONTH	HOURS (LST)				FREQUENCY					THAN	MEAN	TOTAL [	• • • •
i		102	201	30%	40%	50%	60%	70%	80\$	30\$	THUMIDITY		
MAR	ถอ-02	   100.0	160.0	100.0	97.0	72.8	44.0	18.0	6.9	1.8	59.7	924	
į	03-05	100.0	99.9	99.8	96.2	75.3	47.3	18.8	7.7	2.9	60.3	926	
į	06-86	1 100.0	106.0	100.0	97.6	73.8	45.8	20.2	7.6	2 • C	60.2	922	
	ย9-11	100.0	100.0	99.9	96.2	71.4	41.0	16.5	6.9	1.5	58.9	917	
	12-14	100.0	100.0	99.6	95.8	70.5	36.9	13.9	5.5	1.8	58.0	922	
	15-17	1 100.0	99.9	99.8	96.1	72.2	43.0	16.4	7.2	1.8	59.1	923	
	18-20	100.0	160.0	100.0	96.8	74.6	44.0	18.0	7.7	2 • 2	60.0	924	
	21-23	100.0	100.0	99.8	95.1	74.4	47.1	17.7	7.4	2.3	60.0	925	
İ	TOTALS	1 100.0	100.0	99.9	96.4	73.1	43.8	17.4	7.1	2.0	59.5	7383	

GLUBAL CLIMATOLOGY BRANCH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS

AIR NEATHER SERVICE/MAC

STATI	ON NUMBE	R: 042020	STATION	NAME:	THULF AB G	·L				PEPIOU OF MONTH: APR		77-86
MONTH	HOURS   (LST)	•			FREQUENCY						MEAN	TOTAL
	Ì	1 10%	20%	30%	40%	50%	60.4	70%	80%	901	HUMIDITY	1 085 1
APR	1   no-e2	100.0	99.9	99.9	97.2	73.3	46.5	19.9	7.2	2.2	60.0	896
	03-05	100.0	100.0	99.9	96.6	75.4	44.4	18.9	6.5	1.9	59.8	895
	06-08 	100.0	100.0	170.0	96.8	73.2	42.2	17.6	6.9	1.8	59.3	899
	09-11	100.0	100.0	99.8	95.8	71.4	37.6	16.2	6.0	1 - 6	58.3	900
	1 12-14	100.0	100.0	100.0	94.8	72.1	37.9	15.7	5.5	.6	58.2	897
	15-17	100.0	100.0	49.9	95.1	70.5	40.2	15.3	4.7	• 3	58.0	894
	18-20	100.0	106.0	100.0	96.5	77.5	41.6	17.6	7.6	1.6	59.2	894
	21-23	100.0	100.0	100.0	96.5	73.6	46.3	18.8	8 • 3	2 • 1	60.0	895
	TOTALS	100.0	100.0	99.9	96.2	72.8	42.1	17.5	6.6	1.5	59.1	7176
					<i>.</i>	•••••		• • • • • • • •	• • • • • • •	• • • • • • • • • •		

# GLUBAL CLIMATOLOGY BRANCH USAFETAC FROM HOURLY OBSERVATIONS ATR WEATHER SERVICE/MAC CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY OBSERVATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PEPINU OF RECORD: 77-86
MONTH: MAY

MONTH! HOU	HOURS (LST)				FREQUENC						1 MEAN 1	TOTAL 1
i		10%	20%	30%	40%	50%	60%	70%	801	90%	[HUMIDITY]	
HAY I	00-02	107.0	100.0	100.0	97.9	82.1	56.9	29.1	10.7	4.7	63.9	926
į	03-05	100.0	100.0	99.8	96.9	79.6	55 • <i>2</i>	27.4	10.8	5.1	63.1	93[
į	n6-u8	100.0	100.0	100.0	97.0	77.2	53.0	22.6	10.2	3.3	61.9	931
	09-11	100.0	100.0	100.0	54.8	76.3	49.2	21.0	8.1	2.2	60.7	931
į	12-14	100.3	99.9	99.5	92.9	72.5	44.2	17.3	4.9	1.4	59.2	930
	15-17	100.0	99.9	99.8	94.0	72.2	46.3	18.2	5.6	• 3	59.4	929
	18-20	100.0	100.0	99.9	95.8	73.6	48.7	20.9	6.9	1.9	60.4	929
į	21-23	100.0	100.0	99.9	98.4	80.5	53.8	24.4	11.3	3 . A	62.6	921
i	TOTALS	100.0	100.0	99.9	96.0	76.8	50.9	22.6	8.6	2.8	61.4	7432

GLOBAL CLIMATOLOGY BRANCH USAFETAC

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FROM MOURLY OBSERVATIONS

PELATIVE HUMIDITY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 042320 STATION NAME: THULE AB GL

PEPIOD OF RECORD: 77-86 MONTH: JUN

ONTH | HOURS | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN ........... | MEAN | TOTAL | |RELATIVE! NUM | |HUMIDITY! OBS | MONTH! HOURS ! 1 (LST) 1..... 20% 30% 40% 50% 60% 70% 801 701 102 JUN | 00-02 | 8.3 100.0 100.0 99.4 96.3 86.9 67.4 34.2 18.4 66.9 844 03-05 | 100.0 99.9 99.4 96.1 86.5 68.4 34.2 17.7 8.3 67.0 851 06-08 100.0 100.0 99.6 86.0 65.9 32.0 7.3 66.2 856 16.0 09-11 100.0 100.0 99.6 95.9 82.1 60.1 29.5 17.1 7.0 64.8 853 77.2 12-14 J 100.0 99.8 99.2 94.7 56.0 26.5 13.7 5.7 62.9 845 79.1 15-17 100.0 56 . P 27.5 14.6 100.0 98.9 94.2 6.7 63.2 848 18-20 I 59.4 27.9 15.4 7.4 130.0 100.C 98.6 93.8 82.6 64.3 85€ 64.7 1 21-23 1 99.1 95.0 84.4 29.1 15.5 7.8 844 100.0 106.0 65.4 ITOTALS I 100.0 106.0 99.3 95.2 83.1 62.4 30.1 16.1 7.3 65.1 6791

CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

2 TAT 1	ON NUMBE	R: 042020	NOITATZ	NAME:	THULF AB (	SL				EPIOD OF	RECOPD: 7	7-86
MONTH	HOURS   ILSTI	1		CENTAGE	FREQUENC	y OF REL					MEAN   	TOTAL 1
	1	101	50.8	30%	40%	50%	60%	70%	80%	901	[HUMIDITY]	085
JUL	00-02 	[   190.0	100.0	99.1	97.1	89.4	74.8	43.7	22.6	6.4	69.6	791
	03-05	100.0	100.0	99.5	97.7	91.7	76.1	45.4	26.7	1.4	70.6	785
	1 06-08	1 100.0	100.0	98.7	94.9	91.4	71.0	42.5	21.2	5.4	68.7	785
	09-11	160.0	99.6	98.1	95.3	89.6	68.7	38.4	17.9	4.2	67.3	8 U 5.
	12-14	100.0	99.3	98.5	95.4	88.4	65 • 6	32.5	16.4	4.6	66.2	905
	15~17	150.0	99.5	98.2	94.7	85.5	63.0	31.7	15.4	4.1	65.2	79E
	18-20	100.0	100.0	98.6	95.7	85.3	63.9	35.0	17.0	3.8	65.9	795
	21-23	100.0	99.9	98.5	96.1	86.3	68.8	40.2	22.5	4.0	67.7	794
	TOTALS	100.0	99.8	98.7	96.0	88.5	69.0	38.7	19.9	5.0	67.7	6362

٠

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PEPIOD OF PECORD: 77-86 MONTH: AUG

. . . . . . . . . . . ! MEAN | TOTAL ! MONTH! HOURS | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 1 (LST) 1 ...... 201 50% 60% 901 THUMIDITY! OBS ! 102 AUG 00-02 100.0 100.0 100.0 99.5 95.5 83.4 48.9 27.9 11.5 72.7 8,4 C3-05 100.0 100.0 100.C 99.2 95.6 82.6 50.7 29.3 9.6 12.5 837 06-08 100.0 100.0 100.0 99.3 93.3 45.1 835 09-11 100.0 103.0 100.C 99.0 91.2 70.9 37.5 20.4 8.2 69.1 833 97.8 89.5 71.2 32.1 12-14 100.0 100.0 99.6 16.0 6.0 67.4 A 3 E 15-17 99.8 68.1 5.5 100.0 100.0 98.1 88.9 31.0 16.9 66.9 841 18-20 ( 100.0 100.0 100.0 98.7 91.2 71.1 37.6 20.1 5.9 68.6 837 1 21-23 1 24.8 100.0 100.0 100.0 99.4 93.3 78.6 43.1 8.0 70.9 835 TOTALS I 100.0 106.0 99.9 98.9 92.3 75.6 40.8 22.5 8.0 69.9 6690

# GLOBAL CLIMATOLOGY BRANCH USAFETAC FPOM HOURLY OBSERVATIONS AIR WEATHER SERVICE/MAC

211472	N NUMBER	R: 042020	STATION	NAME:	THULE AB G	L				PEPIOU OF MONTH: SEP		7-86	
ноптн	HOURS		PEI	REFNTAGE	FREQUENCY	OF RE	LATIVE HU	IDITY			I MEAN I	TOTAL	
	i i	10%	203	30%	40%	50%	60%	7 g %	801	901	YTIGIMUH	085	
SEP I	00-02	100.0	100.0	100.0	98.9	91.0	66.0	33.0	18.5	5.7	66.9	807	
į	n <b>3-</b> 05	100.0	100.0	99.9	97.1	89.0	65.7	34.9	16.2	5.5	66.6	807	
	D6-U8	100.3	100.0	100.0	97.0	88.8	65.3	34.0	16.0	6.5	66.6	905	
	09-11	100.0	105.0	100.0	96.0	81.8	55.3	29.6	14.9	6.1	63.8	804	
i	12-14	100.0	100.0	99.5	93.2	77.9	53.0	د6.0	14.5	5.1	62.6	807	
į	15-17	100.7	100.0	99.5	94.2	7 R • 6	53.3	25.0	13.A	4.7	62.4	804	
	18-20	100.0	100.0	99.6	96.5	84.3	59.5	28.2	18.2	5.4	64.8	805	
	21-23	   100•0	100.0	99.9	98.1	90.5	65.7	32.0	18.1	5.0	66.6	118	
j	TOTALS	l 100•0	100.0	99.8	96.4	85.2	60.5	30.3	16.3	5 • 6	65.D	6458	

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATI	ON NUMBER	R: 042020	STATION	NAME: 1	THULE AS D	i.				PEPIOD OF		7-86	
MONTH	HOURS			CENTAGE	FRĒDUENCI	OF RLL	ATIVE HU	MIDIIY G			MEAN	TOTAL	•••••
	l	10%	20%	30%	40%	50%	60%	763		90\$	HUMIDITY	085	
0C1	   00-02	   190.0	100.0	49.A	94.8	82.0	56.5	22.6	7.3	1.7	61.9	866	•••••
	13-05	130.3	100.0	99.5	94.8	80.9	55 • D	24.2	7.4	2.3	61.9	86 F	
	   06~68   	   190.0	100.0	99.5	94.5	81.6	56.2	23.4	6.3	1 • 1	62.0	871	
	09-11	100.0	100.0	99.4	94.5	82.3	58 • 1	23.5	5.9	• 9	61.9	968	
	1   12-14   	1 100.0	100.0	¥9.0	93.9	80.3	54.6	22.1	6.1	1.6	61.0	875	
	15-17	100.0	106.0	99.7	94.7	83.4	56.3	20.6	4 . 2	• 9	61.5	864	
	18-20   1	,   100.0	100.0	99.9	94.3	82.9	55.8	19.0	6.5	2 • 0	61.5	865	
	21-23	100.0	100.0	99.5	95.5	81.6	56.5	20.3	5.9	2 • 1	61.6	86 L	
	I  TOTALS	1   100.0	100.0	99.6	94.6	81.9	56.1	22.0	6.2	1.6	61.6	6936	

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 042020 STATION NAME: THULE AB GL PERIOD OF RECORD: 77-78,80-86 MONTH: NOV NOV | 00-02 | 17.9 ٠, 100.0 100.0 98.9 70.9 58.3 03-05 100.0 99.7 99.5 87.4 70.3 45.0 17.5 5.2 59.1 1 06-08 I 100.0 99.9 99.2 72.1 45.3 17.7 5.1 1.0 89.6 54.4

09-11 100.0 100.0 99.0 89.4 70.6 45.5 17.3 4 . 8 . 6 55.2 79. 1 12-14 1 73.3 44.3 18.3 5.8 1.1 58.6 797 100.0 100.0 99.1 90.1 1 15-17 1 100.0 100.0 99.1 89.1 71.4 44.5 18.6 6.4 1.9 58.6 BOL l 18-20 l 100.0 100.0 99.7 91.4 73.7 45.8 17.6 6.3 1.5 59.0 7 + 4 1 21-23 1 100.0 100.0 99.6 90.7 71.9 45.2 17.1 6.7 1.5 58.8 79€ I TOTALS I 100.0 100.0 99.3 89.9 71.8 45.1 17.8 5.6 1.0 58.5 6372

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

GUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE

RELATIVE HUMIDITY

OF OCCUPRENCE

STATI	ом нимее	R: 042023	MOITATZ	NAME: 1	THULE AB	GL				EPIOD OF DMIH: DEC		7-86	
MONTH	HOURS	1	PE	RCENTAGE	FREQUENC	Y OF REL	ATIVE HU	MIDITY 6			MEAN	TOTAL I	••••
	i	1 102	£03	30%	40%	50%	60\$	70%	80%	90\$	[HUMIOITY]	065	
TIE C	1 00-02	100.0	100.0	99.6	95.8	79.3	50.6	24.0	8.8	3.5	61.7	P1t	
	03-05	100.3	99.9	99.6	95.8	79.0	48.2	23.6	7.5	2.7	61.2	805	
	06-08	100.0	100.0	99.9	96.5	77.6	49.8	24.8	8.7	3.3	61.8	818	
	09-11	100.0	100.0	99.6	96.8	77.6	48.5	24.2	9.7	2.2	61.5	914	
	12-14	100.0	106.0	99.9	97.6	79.5	51.3	24.7	7 • 1	2 • 6	61.7	B I ¢	
	15-17	100.0	106.0	99.9	96.5	78.4	46.2	21.5	8.0	2 + 8	61.1	158	
	18-29	100.0	100.0	100.0	96.2	79.2	50.2	23.3	8.5	2.8	61.6	814	
	21-23	100.0	100.0	99.8	96.9	79.0	51.2	23.6	8.1	3.7	61.7	814	
	TOTALS	100.0	106.0	99.8	96.5	78.7	49.8	23.7	8.3	3 • 0	61.5	6526	

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

STATIO	IN NUMFER	R: 642020	STATION	NAME: T	HULF AB	GL				PERIOD OF MONTH: ALL	ricabo: :	7 - R 6
MONTH				CENTAGE	F REQUENC	Y OF REL	ATIVE HU	MIDITY G			I MEAN I	TOTAL I
i	([21)	102	20%	303	40%	50%	601	701	803	ુ≎‡	HOMISTIY!	
JAN	ALL	100.0	94.9	99.5	93.1	69.8	40.9	16.6	6.0	1.7	54.2	o5, 1
FEB		100.0	100.0	99.8	96.3	74.3	41.5	14.6	4	1.	1. A . A	row = 1
VAR .		100.0	100.0	99.9	96.4	73.1	43.P	17.4	7.1	• •		7747
V P B		100.0	100.0	99.9	96.2	12.8	42.1	17.5	£ . t.	1."	1	73.76
MAY		100.0	100.0	49.9	96.0	76.9	50.0	22.0			: 1 • •	* * .
JUN		1gn•3	100.0	99.3	95.2	85.1	62.4	5. • 4	1+ -1	٠.٠	***	
JUL		100.0	96.8	98.7	96.0	84.5	t 4 • *	56.2	1			, to.,
Vne i		100.0	100.0	49.9	98.9	92.1	25.6	4	• *	٠.	. •	
SEP		   100.0	100.6	99.8	96.4	45.3						4
oc t		100.3	100.0	47.6	94.(	41.9	44.5		٠.	* *		•
NOV		100.J	100.0	99.3	55.2	71.6	45.1		. •			4.1
fit C		100.3	16.6+1	99.5	48.0	74.1	4 / 2 /					•
	   FOTALS	i   100•0	100	49.1	\$1.0	٠.,	•				٠.	Market Commence

AD-A187 857 INULE AB GREENLAND REUISED UNIFORM SUMMARY OF SURFACE

LEATHER OBSERVATION ... U) AIR FORCE ENVIRONMENTAL

IECHICAL APPLIACIONS CENTER SCOTT A... 12 Mg 87

UNCLASSIFIED USAFETAC/DS-87/824

P/G 4/2

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

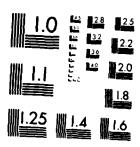
SERVE SCOTT A... 12 Mg 87

NL

SERVE SCOTT A... 12 Mg 87

NL

SER



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU TO STANDARDS (A. A.

•

PPPPP	PPP	AAA	AAA	RRRR	RRRR	11111111	FEFFFFFFF
PPPPP	PPPP		AAAA	RRRR	RRRRR	111111111	FFFFFFFFF
PP	PP.	AP	AA	RR	RR	11	FF
PP	PP	AA	AA	RR	RR	rr	f f
PPPPP	PPPP	AA	AA	RRRR	RRRRR	7.7	FFFFFF
PPPPP	PPP		AAAAA	RRRR	RRRR	TT	FFFFF
PP		BAAAA	AAAAA	RR	RR	TT	FF
PP		AA	AA	RR	RR	TT	FF
PP		AA	AA	RR	RR	7 7	FF
PP		AA	AA	RR	RR	TT	FF

### PRESSURE SUMMARIES

### STATION PRSSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

### SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY ORSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR MLATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 042020 STATION NAME: THULE AB GL

PERIOD OF RECORD: 77-86

URSI ST	STATS I	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
i	SD   Tot ors		.398 282	•413 310	•379 300	.277 310	29.603 -217 300	•206 308	•229 310	•255 300	.301 310	•326 300	.390 310	29.560 .330 3650
5	MEAN I SD I TOT OBS	29.479 .387	29.560 401 262				29.603 -215 300						29.455 .391 310	29.564 .330 3650
	MEAN   SO   Tot obs	29.498 .385 31G	29 • 5 84 • 4 02 2 62	29.571 .412 310	29.731 -329 300	29.729 .275 310	29.602 .215 300	79.542 208 310	29.533 .231 310	29.571 -255 300	29.491 -302 310	29.479 .320 300	29.455 .389 310	29.565 .329 3652
ı j	MEAN   SD   TOT OBS		• 4 02 2 82	29.569 .411 310	•328 300	·274 310		.209 310	·231 310	.259 300	29.488 .301 310	29.479 .320 300	29.452 .389 310	29.563 .329 3652
4 j	MEAN   SD   TOT ORS	29.491		29.564 .410 310	29 • 728 • 326 300	29.723 .272 310	29.601 -220 300					29.474 •321 300	29.450 .389 310	29.560 .329 3651
7 j	MEAN I SD I	.384	29.584 .396 282				29.609 222 300	29.548 .206 309	29.534 .232 310	29.568 .257 300	29.490 -303 310	29.484 .323 300	29.458 .390 310	29.567 -378 3651
ı İ	MEAN     SD    TOT OBS	29.504 .386 310	29.564 .397 282	29.574 .404 310	29 •7 35 •328 300	29.727 .273 310	29.612 .221 300	29.551 -205 308	29.538 .229 310	29.573 .256 300	29.492 302 310	29.481 .325 300	29.463 .391 309	29.569 .328 3649
3 İ	MEAN I SD I TOT OBSI	.387	29.577 .398 282	29.572 .408 310	29.732 .329 300	29.722 .275 310	29.613 .220 300	.207 308	.230 310	29.567 -257 300	29 - 485 - 303 309	29.475 .328 300	29.457 .393 309	29.565 .330 3648
LLİ	MEAN   SD   TOT OBS	29.498 .385 2480	29.580 .399 2256	29.569 .409 2480	29.730 .327 2400	29.726 .274 2480		29.544 .207 2470	29.531 .230 2480	29.567 .256 2400	29.488 .302 2479	29.478 .323 2400	29.455 .390 2478	29.564 .329 29203

## SEA LEVEL PRESSURE IN MBS FROM MOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 042020 STATION NAME: THULF AB GL

PECIOD OF RECORD: 77-86

LST	1 STATS I			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	LEC	ANN
02   	MEAN I SD I TOT 0851	1009.8 13.654 273	1012.3 13.867 247	1010.7 14.941 274	1017.1 11.247 267	1017.1 9.377 269	1012.4 7.410 267	1010.1 7.035 275	1010.3 7.597 275	1011.4 8.651 269	1008.9 10.233 268	1008.1 11.335 267	1008.0 13.010 275	1011.3 11.258 3226
05     	MEAN   SD   TOT GBS	1010.2 13.619 270	1012.4 13.740 246	1010.9 13.910 278	1017.2 11.251 268	1016.9 9.305 275	1012.4 7.285 260	1010.2 6.939 274	1010.2 7.764 275	1011.5 8.678 262	1309.1 10.469 269	1008.1 11.235 258	273	1011.5 11.218 3208
na I	MEAN   SD   101 085	1010.1 13.664 275	1012.6 15.571 246	1011.2 13.805 274	1017.4 11.337 268	1017.1 9.202 278	1012.4 7.291 263	1010.2 7.027 272	1010.6 7.625 273	1011.7 8.770 268	1009.2 10.397 277	1008.2 11.295 267	1008.3 12.932 275	1011.6 11.207 3236
11	MEAN I	1009.9 13.610	1012.6 13.555 244	1011-1 13-836 274	1017.5 11.322 261	1017.1 9.218 274	1012.2 7.377 260	1010.2 7.096 270	1010.4 7.796 271	1011.5		1008.4	1008.1 12.959 267	1011.5 11.212 3192
14	MEAN   SD   TOT OBS	13.509 277	1012.3 13.566 244	1011.2 13.709 272	1017.3 11.305 266	1016.9 9.160 276	7.418 264	1010.2 7.J64 268	1010 • 3 7 • 680 268	8 • 75 7 26 7	10.366 274	11-186 265	1008.3 12.985 267	1011.4 11.171 3208
17	MEAN 1 SO TOT	1009.9 13.440 270	1012.5 13.506 249	10 11 • 2 13 • 6 8 5 274	1017.4 11.278 266	1017.0 9.111 271	1012·4 7·570 261	1010.4 7.014 268	1010.6 7.679 275	1011.5 8.820 262	1009.3 10.497 270	1008.6 11.279 267	1068.4	1011.6 11.182 3209
1 0 ( 1	MEAN   SO   Tot ops	1010.1 13.554 261	1012.6 13.926 243	1011.3 13.724 269	1017.3 11.290 260	1016.9 9.230 267	1012.7 7.517 258	1010.5 6.901 264	1010.6 7.565 264	1011.5 8.763 259	1009.3 10.322 269	1008.5 11.402 252	1068.4 13.003 270	1011.6 11.204 3136
23	TOT ORS!	1010.1 13.673 272	1012-4 13-702 241	1011.3 13.976 268	1017.4 11.361 262	9.319 271	1012.5 7.338 260	1010.3 7.029 273	7.586 270	1011.2 8.582 265	10.295 265	1008.4 11.375 265	1008.3 13.102 274	1011.5 11.222 3186
ALL S	MEAN !	1010.U 13.569		1011-1	1017.3					1011.5			1068.3	1011.5 11.208 25601

# END

DATE
FILMED